

# Converting Colors

XYZ(88.8841, 95.4463,  
105.9334)

Have a look what the booklet for  
XYZ(88.8841, 95.4463, 105.9334)  
contains.

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# Color

**XYZ(88.9990, 95.5263,  
105.8431)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F2FCFC
RGB	242, 252, 252
RGB Percent	95%, 99%, 99%
CMY	0.0510, 0.0117, 0.0118
CMYK	0.04, 0.00, 0.00, 0.01
HSL	180°, 63%, 97%
HSV	180°, 4%, 99%
XYZ	88.9990, 95.5263, 105.8431
YIQ	249.0100, -5.9600, -2.1200

# Conversions

## Conversions Part 2

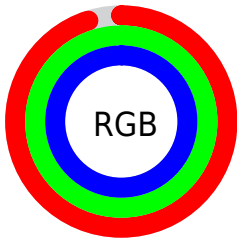
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	242, 247, 252
Decimal	15924476
CIE Lab	98.24, -3.27, -1.15
CIE LCh	98, 3.464, 199.373
Yxy	95.5263, 0.3065, 0.3290
Android (android.graphics.Color)	4294114556 (0xFF2FCFC)
YUV	249.0100, 1.4741, -6.1478
Hunter-Lab	97.7376, -8.5001, 4.2093

# Details

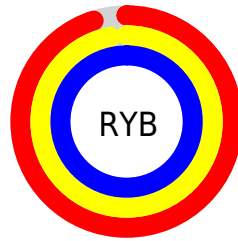
The XYZ color 88.9990, 95.5263, 105.8431 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 87.9275, 90.6130, 96.8647, and the grayscale version is 90.0449, 94.7342, 103.1656.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 49.6151, 53.4094, 59.3238 is the 20% darker color. If you saturate the color by 10%, you get 80.9378, 91.3734, 105.4594, and if you desaturate by 10%, it is 93.6248, 97.9135, 106.0700.

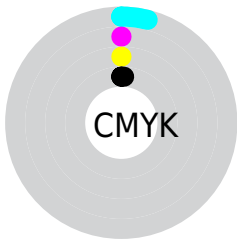
# Distribution



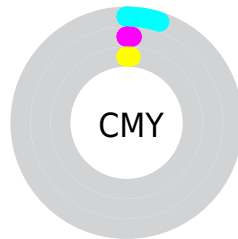
- Red (95%)
- Green (99%)
- Blue (99%)



- Red (95%)
- Yellow (97%)
- Blue (99%)



- Cyan (4%)
- Magenta (0%)
- Yellow (0%)
- Black (1%)



- Cyan (5%)
- Magenta (1%)
- Yellow (1%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 88.9990, 95.5263, 105.8431 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 88.9990, 95.5263, 105.8431 by changing the saturation by 10% instead.



88.9990, 95.5263,  
105.8431

88.9990, 95.5263,  
105.8431

513.0558,  
545.8485, 600.1741

67.4843, 72.5731,  
80.5453

144.8326,  
154.9915, 171.2857

49.7504, 53.6270,  
59.6384

179.8822,  
192.2723, 212.2675

35.4321, 38.3035,  
42.7038

220.1741,  
235.0977, 259.3144

24.1640, 26.2183,  
29.3231

266.0736,  
283.8522, 312.8450

15.5807, 16.9870,  
19.0777

317.9462,  
338.9201, 373.2776

9.3169, 10.2253,  
11.5491

376.1572,

5.0072, 5.5486,

400.6859, 441.0310

6.3186

441.0720,  
469.5339, 516.5237

■ 2.2863, 2.5726,  
2.9679

■ 0.7876, 0.9129,  
1.0783

■ 88.9990, 95.5263,  
105.8431

■ 88.9990, 95.5263,  
105.8431

■ 80.9378, 91.3734,  
105.4594

■ 93.6248, 97.9135,  
106.0700

■ 74.0172, 87.8059,  
105.1271

■ 93.6264, 97.9141,  
106.0785

■ 68.1882, 84.8012,  
104.8458

■ 93.6280, 97.9148,  
106.0870

■ 63.3952, 82.3304,  
104.6131

■ 93.6296, 97.9154,  
106.0955

■ 59.5774, 80.3625,  
104.4260

■ 93.6313, 97.9160,  
106.1040

■ 56.6680, 78.8628,  
104.2814

■ 93.6329, 97.9167,  
106.1126

■ 54.5916, 77.7926,  
104.1758

■ 93.6345, 97.9173,  
106.1211

■ 53.2608, 77.1068,  
104.1051

■ 93.6361, 97.9180,  
106.1296

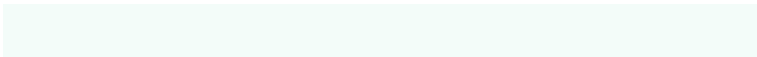
■ 52.5688, 76.7502,  
104.0643

■ 93.6377, 97.9186,  
106.1381

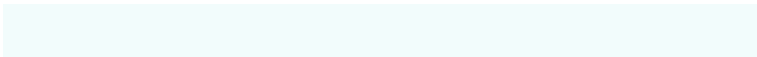
# Harmonies

## Analogous

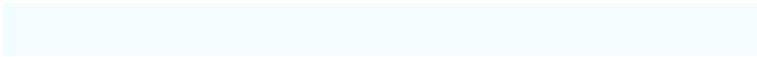
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.9244, 95.5263, 103.0030



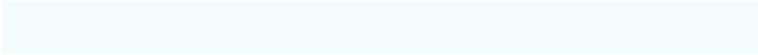
88.9990, 95.5263, 105.8431



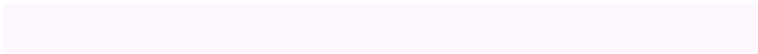
89.5528, 95.5263, 108.2332

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.9990, 95.5263, 105.8431



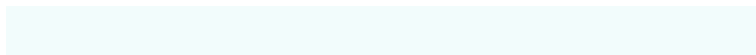
92.2571, 95.5263, 107.6266



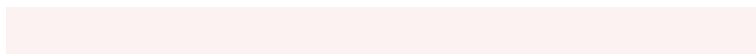
91.1487, 95.5263, 98.7104

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



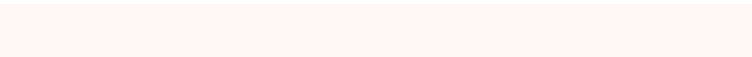
88.9990, 95.5263, 105.8431



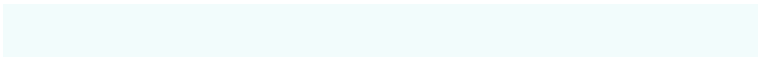
87.9275, 90.6130, 96.8647

# Split Complementary

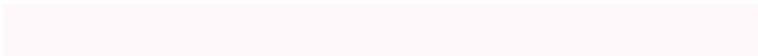
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



92.0484, 95.5263, 99.9018



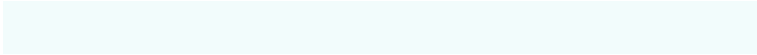
88.9990, 95.5263, 105.8431



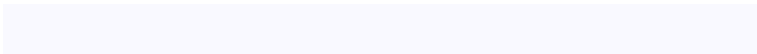
92.6914, 95.5263, 105.0273

# Square

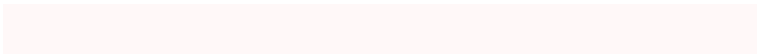
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



88.9990, 95.5263, 105.8431



91.4321, 95.5263, 109.2758



92.6148, 95.5263, 102.2019

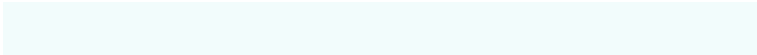


90.1607, 95.5263, 98.9198



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



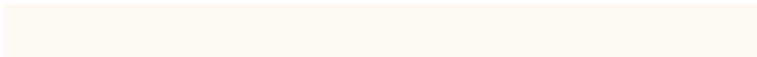
88.9990, 95.5263, 105.8431



90.1215, 95.5263, 109.2334



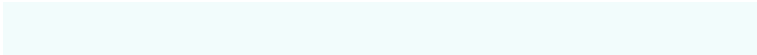
92.6148, 95.5263, 102.2019



91.4717, 95.5263, 98.9595

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



89.0017, 95.5304, 105.8452



94.1179, 99.5195, 108.8555



87.5153, 94.9424, 97.7189



20.1549, 21.3063, 23.3000



0.0000, 0.0000, 0.0000

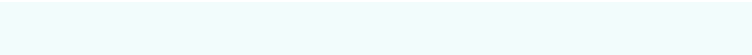


20.3446, 21.4041, 23.3091



# Same Dimension

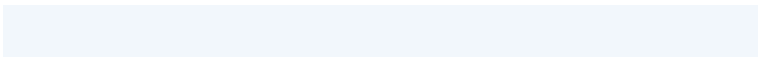
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.0017, 95.5304, 105.8452



90.5130, 97.6612, 108.6833



87.5031, 92.5320, 105.3488



18.4227, 19.9473, 22.2635



27.2776, 39.9241, 54.1986

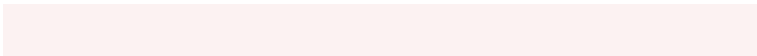


2.5265, 3.6977, 5.0202

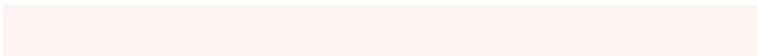


# Inverse Universe

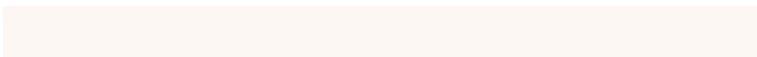
The Inverse Universe completely reimagines the original color for something new.



87.9275, 90.6130, 96.8647



89.1320, 91.3393, 97.1380



89.3852, 93.5293, 97.3476



18.1021, 18.4797, 19.5834



20.9123, 10.7807, 0.9809

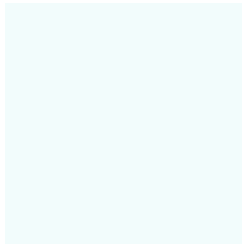


1.9369, 0.9985, 0.0914



# Previews

## White Background



This preview shows how the XYZ color 88.9990, 95.5263, 105.8431 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

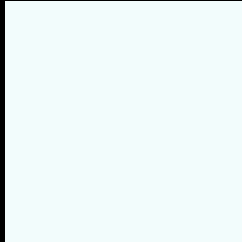
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 88.9990, 95.5263, 105.8431 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

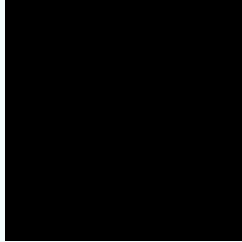
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 88.9990, 95.5263, 105.8431

## Background



This preview shows how black text looks on a background with the XYZ color 88.9990, 95.5263, 105.8431.



This preview shows how white text looks on a background with the XYZ color 88.9990, 95.5263,



# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

88.9990, 95.5263, 105.8431

### Protanopia

92.0041, 95.7243, 104.0700

### Deuteranopia

92.2200, 95.3598, 104.8126

## **Tritanopia**

91.3025, 95.7310, 108.2735

# Trichromacy



**Original Color**

88.9990, 95.5263, 105.8431

**Protanomaly**

91.0225, 95.6602, 104.9337

**Deuteranomaly**

90.7126, 95.0404, 104.8304

**Tritanomaly**

90.3926, 95.7429, 107.4820

# Monochromacy



**Original Color**

88.9990, 95.5263, 105.8431

**Achromatopsia**

90.0415, 94.7307, 103.1617

**Achromatomaly**

89.4470, 94.8662, 104.0391

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 88.9990, 95.5263, 105.8431 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(242, 252, 252)` looks like.

```
.text, #text, p{  
    color:rgb(242, 252, 252)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(242, 252, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 252, 252) }
```

## Border

The CSS property to change the border of an element to XYZ 88.9990, 95.5263, 105.8431 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(242, 252, 252) }
```



If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(242, 252, 252) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(242, 252, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 252, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 252, 252);  
box-shadow:4px 4px 4px 4px rgb(242, 252,  
252) }
```

# Background

The CSS property to change the background color of an element to XYZ 88.9990, 95.5263, 105.8431 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 252, 252) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(242,  
252, 252) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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