

# Converting Colors

XYZ(87.3962, 95.2484,  
108.3863)

Have a look what the booklet for  
XYZ(87.3962, 95.2484, 108.3863)  
contains.

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# Color

**XYZ(87.4362, 95.1327,  
108.3618)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EBFDFF
RGB	235, 253, 255
RGB Percent	92%, 99%, 100%
CMY	0.0784, 0.0078, 0.0000
CMYK	0.08, 0.01, 0.00, 0.00
HSL	186°, 100%, 96%
HSV	186°, 8%, 100%
XYZ	87.4362, 95.1327, 108.3618
YIQ	247.8460, -11.3700, -3.1940

# Conversions

## Conversions Part 2

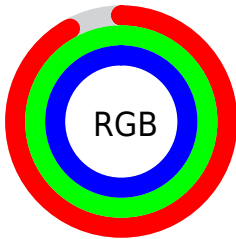
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	235, 244, 255
Decimal	15465983
CIE <sub>Lab</sub>	98.09, -5.47, -2.98
CIE <sub>LCh</sub>	98, 6.230, 208.571
Yxy	95.1327, 0.3005, 0.3270
Android (android.graphics.Color)	4293656063 (0xFFE8F0FF)
YUV	247.8460, 3.5269, -11.2659
Hunter-Lab	97.5360, -10.6716, 2.4044

# Details

The XYZ color **87.4362, 95.1327, 108.3618** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **86.5188, 87.8245, 90.9906**, and the grayscale version is **89.0782, 93.7172, 102.0581**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.5234, 53.1408, 61.1258** is the 20% darker color. If you saturate the color by 10%, you get **78.8163, 89.5077, 107.7304**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

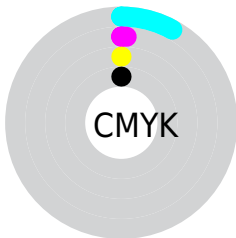
# Distribution



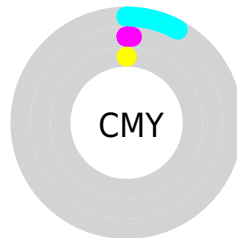
- Red (92%)
- Green (99%)
- Blue (100%)



- Red (92%)
- Yellow (96%)
- Blue (100%)



- Cyan (8%)
- Magenta (1%)
- Yellow (0%)
- Black (0%)




- Cyan (8%)
- Magenta (1%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 87.4362, 95.1327, 108.3618 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 87.4362, 95.1327, 108.3618 by changing the saturation by 10% instead.




 87.4362, 95.1327,  
108.3618

 87.4362, 95.1327,  
108.3618

508.0182,  
544.5897, 608.1556

 66.1855, 72.2454,  
82.6462


142.6685,  
154.4479, 174.7534

 48.6912, 53.3592,  
61.3594


177.3808,  
191.6447, 216.2665

 34.5881, 38.0896,  
44.0829


217.3110,  
234.3800, 263.8826

 23.5108, 26.0522,  
30.3980

262.8245,  
283.0384, 318.0201

 15.0939, 16.8627,  
19.8863

314.2866,  
338.0041, 379.0976

 8.9721, 10.1367,  
12.1291

372.0627,

 4.7799, 5.4897,

399.6617, 447.5337

6.7081

436.5181,  
468.3954, 523.7468

■ 2.1521, 2.5373,  
3.2045

■ 0.7173, 0.8953,  
1.2000

■ 87.4362, 95.1327,  
108.3618

■ 87.4362, 95.1327,  
108.3618

■ 78.8163, 89.5077,  
107.7304

95.0500, 100.0000,  
108.9000

■ 71.3603, 84.4958,  
107.1560

■ 65.0159, 80.0728,  
106.6366

■ 59.7239, 76.2081,  
106.1696

■ 55.4195, 72.8681,  
105.7518

■ 52.0308, 70.0157,  
105.3798

■ 49.4758, 67.6087,  
105.0499

■ 47.6581, 65.5972,  
104.7574

■ 46.4484, 63.9146,  
104.4964

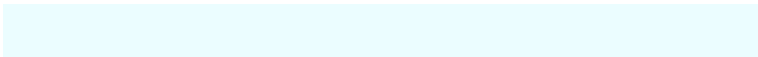
# Harmonies

## Analogous

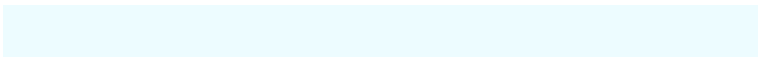
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.0287, 95.1327, 103.3380



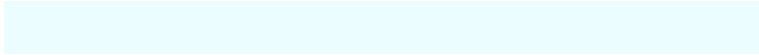
87.4362, 95.1327, 108.3618



88.6406, 95.1327, 112.2103

# Triad

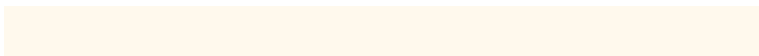
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.4362, 95.1327, 108.3618



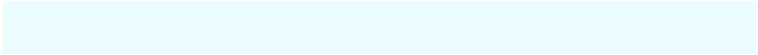
93.3849, 95.1327, 108.8006



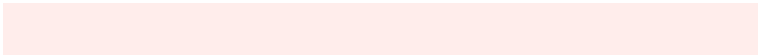
90.5065, 95.1327, 94.0527

# Complementary

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



87.4362, 95.1327, 108.3618



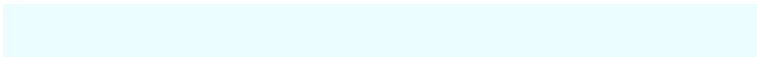
86.5188, 87.8245, 90.9906

# Split Complementary

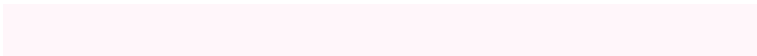
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



92.2246, 95.1327, 95.4103



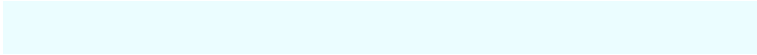
87.4362, 95.1327, 108.3618



93.8999, 95.1327, 103.8290

# Square

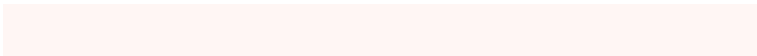
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.4362, 95.1327, 108.3618



92.0742, 95.1327, 112.4694



93.4725, 95.1327, 98.9475

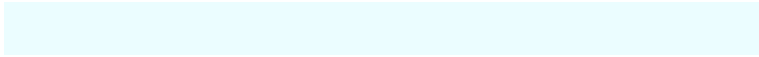


88.7872, 95.1327, 95.1781

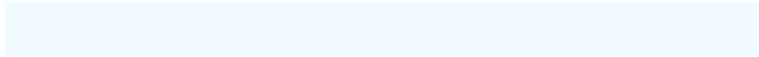


# Rectangle

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



87.4362, 95.1327, 108.3618



89.7415, 95.1327, 113.5326



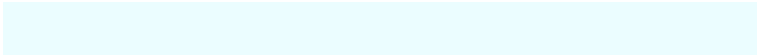
93.4725, 95.1327, 98.9475



91.1035, 95.1327, 94.2330

# Sweetspot

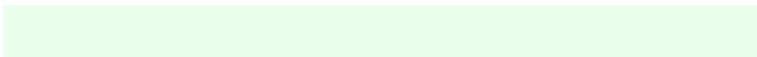
The Sweet Spot groups the original color and five complimentary colors.



87.4386, 95.1366, 108.3624



93.0365, 98.7214, 108.7593



85.2593, 95.2776, 93.7638



19.9347, 21.1439, 23.2805



0.0000, 0.0000, 0.0000

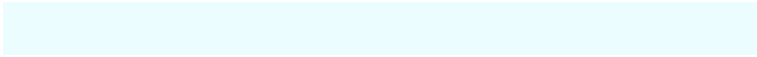


20.3446, 21.4041, 23.3091

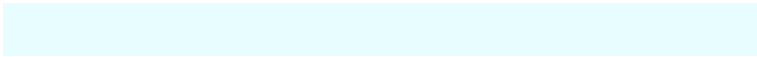


# Same Dimension

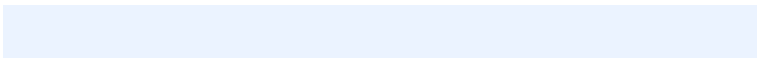
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.4386, 95.1366, 108.3624



86.3791, 94.4525, 108.2862



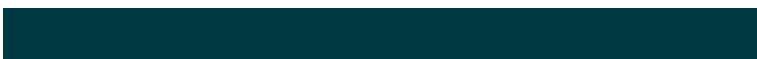
84.4624, 89.1841, 107.3703



18.3909, 20.1535, 23.1707



24.2177, 33.3449, 54.5944



2.4009, 3.3325, 5.3300



# Inverse Universe

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



88.6794, 87.7700, 105.2006



87.7943, 86.0748, 104.6743



89.3948, 93.5766, 91.9492



18.7100, 18.2673, 22.3559



29.0122, 14.0942, 40.3101

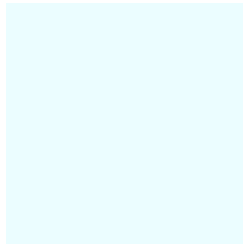


2.8465, 1.3810, 4.0389



# Previews

## White Background



This preview shows how the XYZ color 87.4362, 95.1327, 108.3618 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

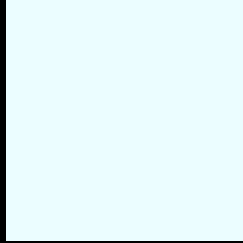
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 87.4362, 95.1327, 108.3618 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

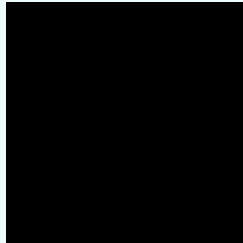
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 87.4362, 95.1327, 108.3618

## Background



This preview shows how black text looks on a background with the XYZ color 87.4362, 95.1327, 108.3618.



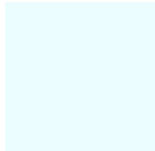
This preview shows how white text looks on a background with the XYZ color 87.4362, 95.1327,

108.518.

# 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

87.4362, 95.1327, 108.3618

### Protanopia

91.6461, 95.0457, 105.6109

### Deuteranopia

91.9134, 94.7466, 104.7103

## **Tritanopia**

90.2416, 95.1840, 108.2239

# Trichromacy



**Original Color**

87.4362, 95.1327, 108.3618

**Protanomaly**

89.9213, 95.0559, 106.5368

**Deuteranomaly**

90.1578, 94.7361, 105.6295

**Tritanomaly**

89.1651, 95.0916, 108.2628

# Monochromacy



**Original Color**

87.4362, 95.1327, 108.3618

**Achromatopsia**

89.2221, 93.8686, 102.2229

**Achromatomaly**

88.5603, 94.3909, 104.8184

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 87.4362, 95.1327, 108.3618 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(235, 253, 255)` looks like.

```
.text, #text, p{  
    color:rgb(235, 253, 255)  
}
```

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(235, 253, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 253, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 87.4362, 95.1327, 108.3618 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(235, 253, 255) }
```



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

```
.border{ border-color:rgb(235, 253, 255) }
```

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

Here you see how a box with a 4 pixel rgb(235, 253, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 253, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 253, 255);  
box-shadow:4px 4px 4px 4px rgb(235, 253,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 87.4362, 95.1327, 108.3618 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 253, 255) }
```

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

```
.background{ background-color: rgb(235,  
253, 255) }
```

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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