

# Converting Colors

XYZ(96.8945, 115.0139,  
108.6496)

Have a look what the booklet for  
XYZ(96.8945, 115.0139, 108.6496)  
contains.

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# Color

**XYZ(87.4335, 96.1472,  
105.2168)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EBFFFF
RGB	235, 255, 251
RGB Percent	92%, 100%, 98%
CMY	0.0784, 0.0000, 0.0157
CMYK	0.08, 0.00, 0.02, 0.00
HSL	168°, 100%, 96%
HSV	168°, 8%, 100%
XYZ	87.4335, 96.1472, 105.2168
YIQ	248.5640, -10.6360, -5.4840

# Conversions

## Conversions Part 2

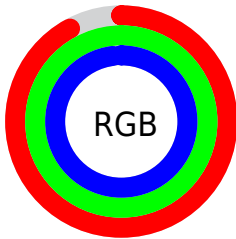
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	235, 246, 255
Decimal	15466491
CIE Lab	98.49, -7.22, -0.33
CIE LCh	98, 7.226, 182.632
Yxy	96.1472, 0.3028, 0.3329
Android (android.graphics.Color)	4293656571 (0xFFEBFFFB)
YUV	248.5640, 1.2009, -11.8956
Hunter-Lab	98.0547, -12.4306, 5.0176

# Details

The XYZ color **87.4335, 96.1472, 105.2168** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **86.5288, 86.9097, 93.8761**, and the grayscale version is **89.6810, 94.3514, 102.7487**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.6348, 53.9120, 59.4725** is the 20% darker color. If you saturate the color by 10%, you get **78.8165, 91.7965, 100.6756**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

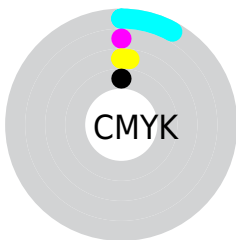
# Distribution



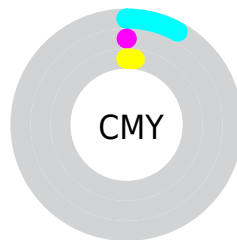
- Red (92%)
- Green (100%)
- Blue (98%)



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



- Cyan (8%)
- Magenta (0%)
- Yellow (2%)
- Black (0%)




- Cyan (8%)
- Magenta (0%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 87.4335, 96.1472, 105.2168 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 87.4335, 96.1472, 105.2168 by changing the saturation by 10% instead.




 87.4335, 96.1472,  
105.2168

 87.4335, 96.1472,  
105.2168


508.0095,  
547.8311, 598.1808

 66.1832, 73.0902,  
80.0233


142.6648,  
155.8486, 170.4221

 48.6894, 54.0497,  
59.2113


177.3765,  
193.2617, 211.2711

 34.5867, 38.6414,  
42.3621


217.3061,  
236.2289, 258.1756

 23.5097, 26.4809,  
29.0572

262.8189,  
285.1347, 311.5543

 15.0931, 17.1837,  
18.8782

314.2803,  
340.3634, 371.8256

 8.9715, 10.3656,  
11.4064

372.0556,

 4.7795, 5.6420,

402.2995, 439.4081

6.2233

436.5102,  
471.3272, 514.7203

■ 2.1519, 2.6286,  
2.9103

■ 0.7172, 0.9411,  
1.0490

■ 87.4335, 96.1472,  
105.2168

■ 87.4335, 96.1472,  
105.2168

■ 78.8165, 91.7965,  
100.6756

95.0500, 100.0000,  
108.9000

■ 71.3757, 88.0498,  
96.3002

■ 65.0573, 84.8792,  
92.0885

■ 59.8018, 82.2541,  
88.0368

■ 55.5443, 80.1412,  
84.1414

■ 52.2128, 78.5031,  
80.3977

■ 49.7253, 77.2978,  
76.8012

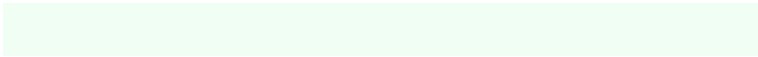
■ 47.9849, 76.4753,  
73.3462

■ 46.8626, 75.9690,  
70.0259

# Harmonies

## Analogous

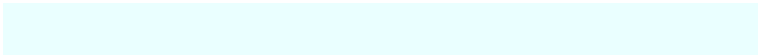
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.8663, 96.1472, 99.4916



87.4335, 96.1472, 105.2168



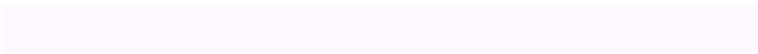
88.0460, 96.1472, 111.0104

# Triad

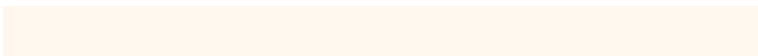
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.4335, 96.1472, 105.2168



93.5668, 96.1472, 114.6710



93.2428, 96.1472, 94.8068

# Complementary

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



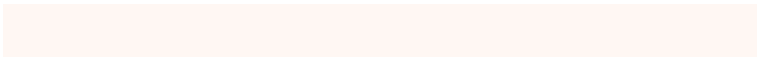
87.4335, 96.1472, 105.2168



86.5288, 86.9097, 93.8761

# 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.



94.8074, 96.1472, 98.6103



87.4335, 96.1472, 105.2168



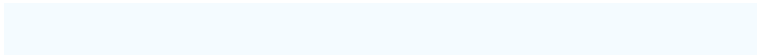
94.9964, 96.1472, 110.0622

# Square

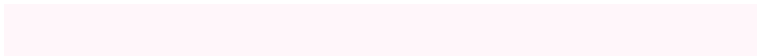
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.4335, 96.1472, 105.2168



91.5695, 96.1472, 116.5970



95.4539, 96.1472, 104.1609



91.2008, 96.1472, 93.6187

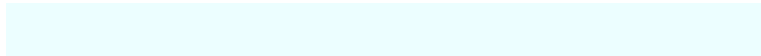


# Rectangle

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



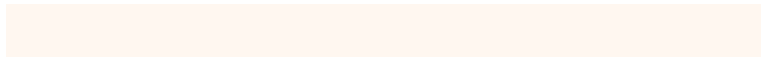
87.4335, 96.1472, 105.2168



88.9703, 96.1472, 114.0930



95.4539, 96.1472, 104.1609



93.8430, 96.1472, 95.8145

# Sweetspot

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



87.4344, 96.1476, 105.2183



93.0348, 98.9800, 107.9510



86.3527, 95.8692, 92.5520



19.9344, 21.1965, 23.1160



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

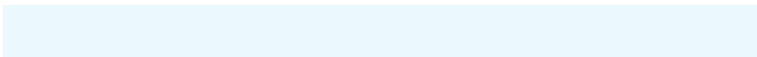
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.4344, 96.1476, 105.2183



86.3749, 95.6122, 104.6838



86.1874, 92.6342, 107.9454



18.3900, 20.4155, 22.3569



24.4363, 39.6711, 36.5122



2.4170, 3.8777, 3.7536



# Inverse Universe

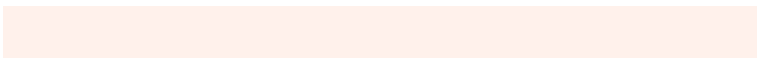
The Inverse Universe completely reimagines the original color for something new.



86.5288, 86.9097, 93.8761



85.3440, 85.0947, 91.7708



87.6913, 90.1696, 91.3813



18.1578, 18.0464, 19.4483



21.9025, 11.2503, 2.8709

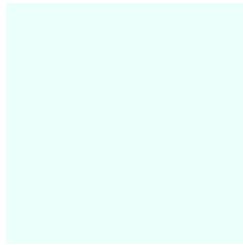


2.1691, 1.1100, 0.4722



# Previews

## White Background



This preview shows how the XYZ color 87.4335, 96.1472, 105.2168 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

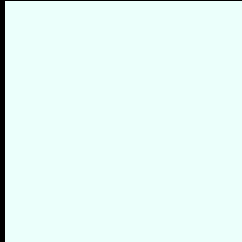
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 87.4335, 96.1472, 105.2168 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

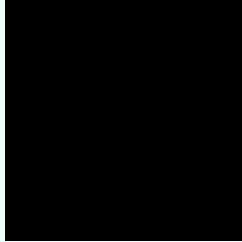
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 87.4335, 96.1472, 105.2168

## Background



This preview shows how black text looks on a background with the XYZ color 87.4335, 96.1472, 105.2168.



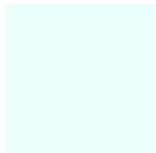
This preview shows how white text looks on a background with the XYZ color 87.4335, 96.1472,



# 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

87.4335, 96.1472, 105.2168

### Protanopia

92.0590, 95.7887, 102.4440

### Deuteranopia

92.5283, 95.9764, 104.9153

## **Tritanopia**

91.2586, 96.1708, 108.3607

# Trichromacy



**Original Color**

87.4335, 96.1472, 105.2168

**Protanomaly**

90.3075, 95.7904, 103.3522

**Deuteranomaly**

90.6212, 95.9159, 105.0042

**Tritanomaly**

89.6619, 95.8313, 107.5375

# Monochromacy



**Original Color**

87.4335, 96.1472, 105.2168

**Achromatopsia**

90.0415, 94.7307, 103.1617

**Achromatomaly**

89.0607, 95.1296, 104.1103

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 87.4335, 96.1472, 105.2168 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, 255, 251)` looks like.

```
.text, #text, p{  
    color:rgb(235, 255, 251)  
}
```

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, 255, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 255, 251) }
```

## Border

The CSS property to change the border of an element to XYZ 87.4335, 96.1472, 105.2168 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, 255, 251) }
```



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

```
.border{ border-color:rgb(235, 255, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 255, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 255, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 255, 251);  
box-shadow:4px 4px 4px 4px rgb(235, 255,  
251) }
```

# Background

The CSS property to change the background color of an element to XYZ 87.4335, 96.1472, 105.2168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 255, 251) }
```

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

```
.background{ background-color: rgb(235,  
255, 251) }
```

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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