

# Converting Colors

XYZ(87.0919, 95.3422,  
108.4204)

Have a look what the booklet for  
XYZ(87.0919, 95.3422, 108.4204)  
contains.

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# **Color**

**XYZ(87.0961, 95.4273,  
108.4366)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E9FEFF
RGB	233, 254, 255
RGB Percent	91%, 100%, 100%
CMY	0.0863, 0.0039, 0.0000
CMYK	0.09, 0.00, 0.00, 0.00
HSL	183°, 100%, 96%
HSV	183°, 9%, 100%
XYZ	87.0961, 95.4273, 108.4366
YIQ	247.8350, -12.8370, -4.1410

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	233, 244, 255
Decimal	15335167
CIE Lab	98.20, -6.61, -2.82
CIE LCh	98, 7.187, 203.124
Yxy	95.4273, 0.2993, 0.3280
Android (android.graphics.Color)	4293525247 (0xFFE9FEFF)
YUV	247.8350, 3.5323, -13.0103
Hunter-Lab	97.6869, -11.8043, 2.5664

# Details

The XYZ color **87.0961, 95.4273, 108.4366** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **85.3701, 85.9869, 89.1900**, and the grayscale version is **89.0701, 93.7087, 102.0488**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.2908, 53.3568, 61.1798** is the 20% darker color. If you saturate the color by 10%, you get **79.0015, 90.7156, 107.9538**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

# Distribution



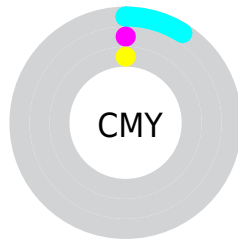
- Red (91%)
- Green (100%)
- Blue (100%)



- Red (91%)
- Yellow (96%)
- Blue (100%)



- Cyan (9%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)



- Cyan (9%)
- Magenta (0%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 87.0961, 95.4273, 108.4366 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 87.0961, 95.4273, 108.4366 by changing the saturation by 10% instead.



87.0961, 95.4273,  
108.4366

87.0961, 95.4273,  
108.4366

506.9184,  
545.5320, 608.3918

65.9030, 72.4907,  
82.7087

142.1971,  
154.8548, 174.8563

48.4611, 53.5596,  
61.4106

176.8357,  
192.1145, 216.3851

34.4050, 38.2497,  
44.1239

216.6868,  
234.9173, 264.0179

23.3692, 26.1765,  
30.4301

262.1159,  
283.6476, 318.1734

14.9886, 16.9558,  
19.9104

313.4882,  
338.6898, 379.2700

8.8976, 10.2029,  
12.1465

371.1692,

4.7310, 5.5337,

400.4284, 447.7262

6.7198

435.5241,  
469.2477, 523.9607

■ 2.1235, 2.5637,  
3.2117

■ 0.7019, 0.9084,  
1.2037

■ 87.0961, 95.4273,  
108.4366

■ 87.0961, 95.4273,  
108.4366

■ 79.0015, 90.7156,  
107.9538

95.0500, 100.0000,  
108.9000

■ 72.0583, 86.5981,  
107.5250

■ 66.2137, 83.0503,  
107.1482

■ 61.4083, 80.0414,  
106.8207

■ 57.5769, 77.5378,  
106.5394

■ 54.6467, 75.5021,  
106.3009

■ 52.5351, 73.8916,  
106.1014

■ 51.1440, 72.6558,  
105.9361

■ 50.3339, 71.7227,  
105.7987

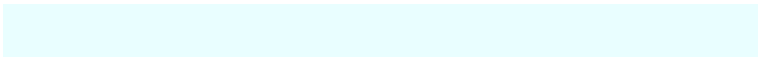
# Harmonies

## Analogous

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



86.8136, 95.4273, 102.5479



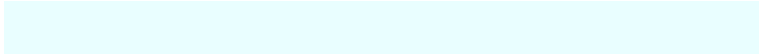
87.0961, 95.4273, 108.4366



88.3376, 95.4273, 113.2737

# Triad

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



87.0961, 95.4273, 108.4366



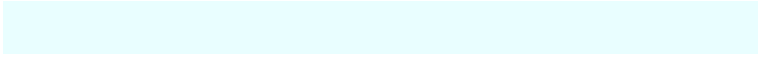
93.9159, 95.4273, 110.8823



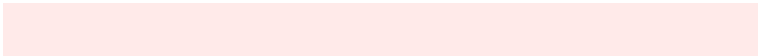
91.1773, 95.4273, 93.0128

# Complementary

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



87.0961, 95.4273, 108.4366



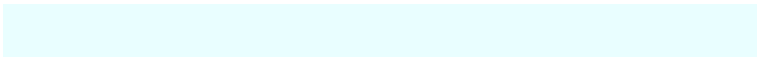
85.3701, 85.9869, 89.1900

# 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.



93.1057, 95.4273, 95.0660



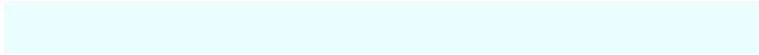
87.0961, 95.4273, 108.4366



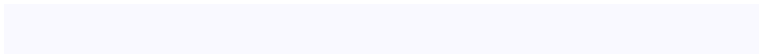
94.7023, 95.4273, 105.2723

# Square

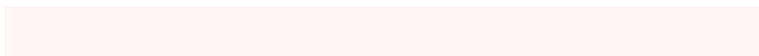
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



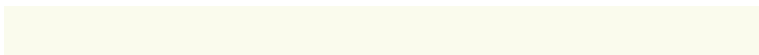
87.0961, 95.4273, 108.4366



92.2699, 95.4273, 114.7227



94.4036, 95.4273, 99.4997

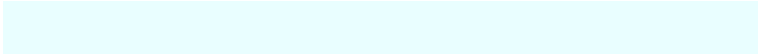


89.1496, 95.4273, 93.7880

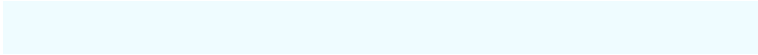


# Rectangle

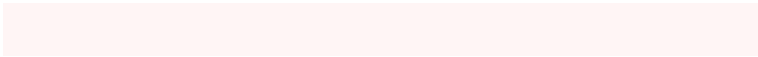
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



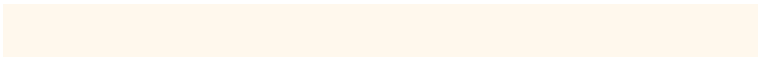
87.0961, 95.4273, 108.4366



89.5524, 95.4273, 115.1763



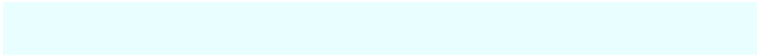
94.4036, 95.4273, 99.4997



91.8590, 95.4273, 93.3925

# Sweetspot

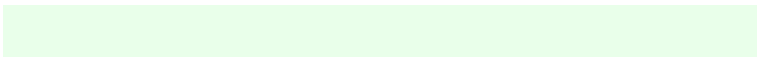
The Sweet Spot groups the original color and five complimentary colors.



87.0986, 95.4312, 108.4372



92.1811, 98.3574, 108.7342



84.1782, 94.7693, 91.4983



19.5705, 20.9607, 23.2643



0.0000, 0.0000, 0.0000

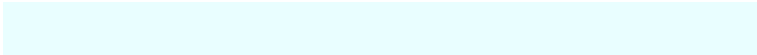


20.3446, 21.4041, 23.3091



# Same Dimension

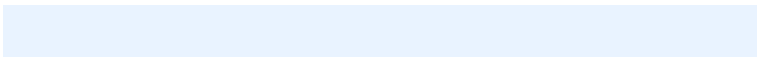
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.0986, 95.4312, 108.4372



85.9163, 94.7472, 108.3675



83.7857, 88.8056, 107.3329



18.4804, 20.3323, 23.2005



26.2837, 37.4770, 55.2831



2.5800, 3.6908, 5.3897



# Inverse Universe

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



88.2698, 86.6951, 105.8522



87.2628, 84.7217, 105.3915



88.5204, 92.2875, 90.2401



18.7551, 18.2854, 22.5935



30.0550, 14.5113, 45.8015

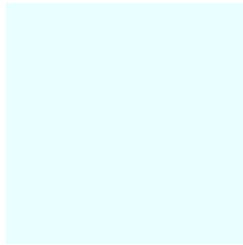


2.9369, 1.4171, 4.5151



# Previews

## White Background



This preview shows how the XYZ color 87.0961, 95.4273, 108.4366 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

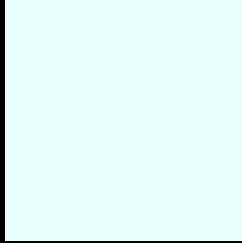
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 87.0961, 95.4273, 108.4366 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

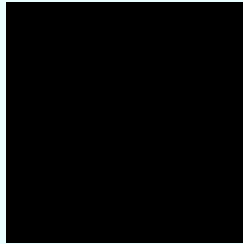
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 87.0961, 95.4273, 108.4366

## Background



This preview shows how black text looks on a background with the XYZ color 87.0961, 95.4273, 108.4366.



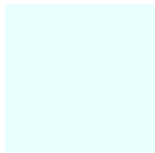
This preview shows how white text looks on a background with the XYZ color 87.0961, 95.4273,



# 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

87.0961, 95.4273, 108.4366



### Protanopia

91.6461, 95.0457, 105.6109

### Deuteranopia

92.3781, 95.4231, 105.6451

## **Tritanopia**

90.2416, 95.1840, 108.2239

# Trichromacy



**Original Color**

87.0961, 95.4273, 108.4366

**Protanomaly**

89.9213, 95.0559, 106.5368

**Deuteranomaly**

90.2730, 95.2372, 106.5532

**Tritanomaly**

88.8228, 94.9151, 108.2467

# Monochromacy



**Original Color**

87.0961, 95.4273, 108.4366

**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 87.0961, 95.4273, 108.4366 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(233, 254, 255)` looks like.

```
.text, #text, p{  
    color:rgb(233, 254, 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(233, 254, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 254, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 87.0961, 95.4273, 108.4366 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(233, 254, 255) }
```



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

```
.border{ border-color:rgb(233, 254, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 254, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 254, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 254, 255);  
box-shadow:4px 4px 4px 4px rgb(233, 254,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 87.0961, 95.4273, 108.4366 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 254, 255) }
```

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

```
.background{ background-color: rgb(233,  
254, 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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