

# Converting Colors

XYZ(88.8204, 96.9844, 99.7596)

Have a look what the booklet for  
XYZ(88.8204, 96.9844, 99.7596)  
contains.

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# **Color**

**XYZ(88.7071, 96.9289,  
99.6217)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F2FFF4
RGB	242, 255, 244
RGB Percent	95%, 100%, 96%
CMY	0.0510, 0.0000, 0.0431
CMYK	0.05, 0.00, 0.04, 0.00
HSL	129°, 100%, 97%
HSV	129°, 5%, 100%
XYZ	88.7071, 96.9289, 99.6217
YIQ	249.8590, -4.2170, -6.1770

# Conversions

## Conversions Part 2

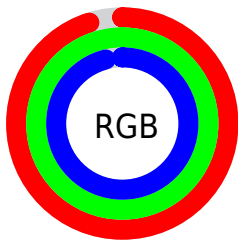
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	242, 253, 255
Decimal	15925236
CIE <sub>Lab</sub>	98.80, -6.20, 3.77
CIE <sub>LCh</sub>	99, 7.258, 148.702
Yxy	96.9289, 0.3110, 0.3398
Android (android.graphics.Color)	4294115316 (0xFFFF2FFF4)
YUV	249.8590, -2.8885, -6.8923
Hunter-Lab	98.4525, -11.4608, 8.9226

# Details

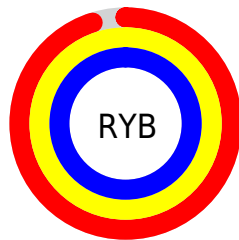
The XYZ color 88.7071, 96.9289, 99.6217 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 90.7223, 91.8571, 105.8771, and the grayscale version is 90.7750, 95.5024, 104.0021.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 49.5209, 54.4581, 55.4784 is the 20% darker color. If you saturate the color by 10%, you get 77.4693, 91.4922, 82.9833, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

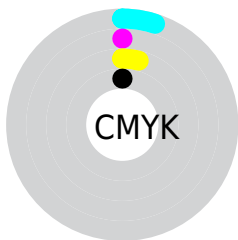
# Distribution



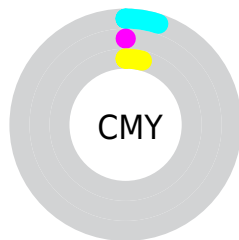
- Red (95%)
- Green (100%)
- Blue (96%)



- Red (95%)
- Yellow (99%)
- Blue (100%)



- Cyan (5%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)




- Cyan (5%)
- Magenta (0%)
- Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 88.7071, 96.9289, 99.6217 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 88.7071, 96.9289, 99.6217 by changing the saturation by 10% instead.




 88.7071, 96.9289,  
99.6217

 88.7071, 96.9289,  
99.6217


512.1169,  
550.3219, 580.2154

 67.2416, 73.7414,  
75.3695

144.4287,  
156.9268, 162.6846

 49.5524, 54.5824,  
55.4121


179.4154,  
194.5060, 202.3323

 35.2742, 39.0675,  
39.3309


219.6400,  
237.6512, 247.9490

 24.0417, 26.8123,  
26.7075

265.4677,  
286.7469, 299.9532

 15.4894, 17.4323,  
17.1232

317.2638,  
342.1774, 358.7634

 9.2521, 10.5432,  
10.1594

375.3939,

 4.9644, 5.7606,

404.3272, 424.7981

5.3978

440.2231,  
473.5805, 498.4760

■ 2.2610, 2.7000,  
2.4197

■ 0.7746, 0.9772,  
0.7972

■ 88.7071, 96.9289,  
99.6217

■ 88.7071, 96.9289,  
99.6217

■ 77.4693, 91.4922,  
82.9833

95.0500, 100.0000,  
108.9000

■ 67.7712, 86.8065,  
68.3488

■ 59.5460, 82.8390,  
55.6439

■ 52.7210, 79.5538,  
44.7878

■ 47.2174, 76.9121,  
35.6944

■ 42.9483, 74.8713,  
28.2705

■ 39.8165, 73.3831,  
22.4143

■ 37.7093, 72.3921,  
18.0129

■ 36.4905, 71.8305,  
14.9382

# Harmonies

## Analogous

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



90.1947, 96.9289, 95.6791



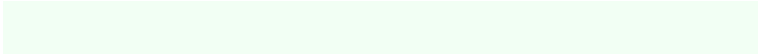
88.7071, 96.9289, 99.6217



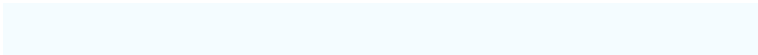
88.1341, 96.9289, 105.2764

# Triad

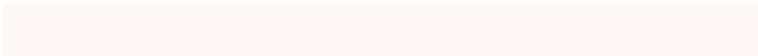
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.7071, 96.9289, 99.6217



92.0362, 96.9289, 117.5775



95.7299, 96.9289, 100.0606

# Complementary

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



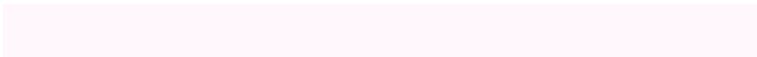
88.7071, 96.9289, 99.6217



90.7223, 91.8571, 105.8771

# Split Complementary

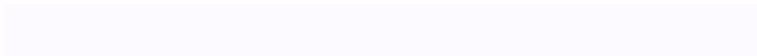
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



96.2408, 96.9289, 105.8023



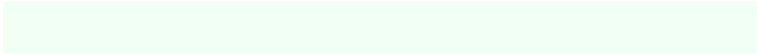
88.7071, 96.9289, 99.6217



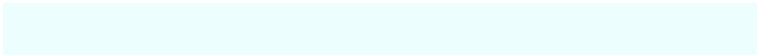
94.0888, 96.9289, 116.0542

# Square

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



88.7071, 96.9289, 99.6217



90.0380, 96.9289, 115.7743



95.6358, 96.9289, 111.6863

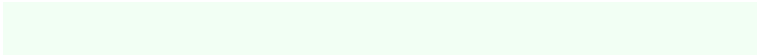


94.2501, 96.9289, 95.9257



# Rectangle

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



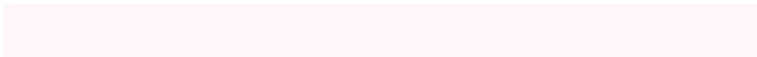
88.7071, 96.9289, 99.6217



88.3411, 96.9289, 109.3060



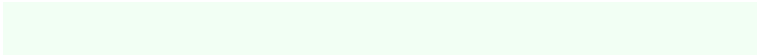
95.6358, 96.9289, 111.6863



96.0217, 96.9289, 101.8597

# Sweetspot

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



88.7079, 96.9293, 99.6232



92.5114, 98.7707, 105.1952



92.3136, 98.8230, 98.2151



19.8278, 21.1539, 22.5550



0.0000, 0.0000, 0.0000

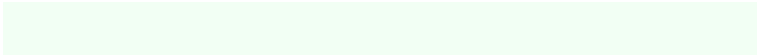


20.3446, 21.4041, 23.3091



# Same Dimension

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



88.7079, 96.9293, 99.6232



87.6286, 96.4069, 98.0370



89.7046, 97.3280, 104.8716



18.5907, 20.5550, 20.7405



18.9125, 37.4616, 7.4244



1.8731, 3.6602, 0.8894



# Inverse Universe

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



90.7223, 91.8571, 105.8771



89.9851, 90.4730, 105.3532



89.7119, 91.4530, 100.5568



19.1475, 19.1529, 22.4692



28.0546, 13.7111, 35.2674

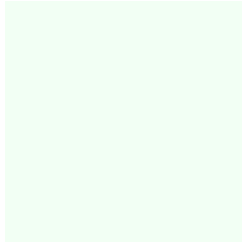


2.7626, 1.3474, 3.5972



# Previews

## White Background



This preview shows how the XYZ color 88.7071, 96.9289, 99.6217 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

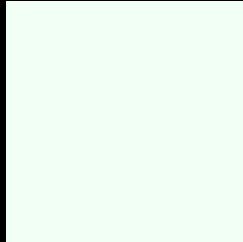
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 88.7071, 96.9289, 99.6217 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

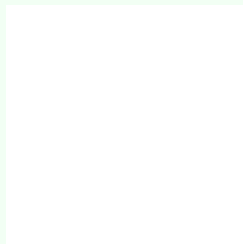
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 88.7071, 96.9289, 99.6217

## Background



This preview shows how black text looks on a background with the XYZ color 88.7071, 96.9289, 99.6217.



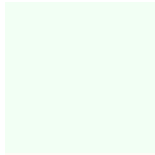
This preview shows how white text looks on a background with the XYZ color 88.7071, 96.9289,



# 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

88.7071, 96.9289, 99.6217

### Protanopia

92.3717, 96.9082, 101.0254

### Deuteranopia

92.8382, 96.5962, 105.0186

## **Tritanopia**

91.9715, 96.5384, 108.3941

# Trichromacy



**Original Color**

88.7071, 96.9289, 99.6217

**Protanomaly**

90.7162, 96.5374, 100.2385

**Deuteranomaly**

91.1780, 96.7221, 102.6706

**Tritanomaly**

90.5808, 96.3600, 105.0920

# Monochromacy



**Original Color**

88.7071, 96.9289, 99.6217

**Achromatopsia**

90.8653, 95.5973, 104.1055

**Achromatomaly**

90.1115, 96.1723, 102.6207

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 88.7071, 96.9289, 99.6217 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, 255, 244)` looks like.

```
.text, #text, p{  
    color:rgb(242, 255, 244)  
}
```

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, 255, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 255, 244) }
```

## Border

The CSS property to change the border of an element to XYZ 88.7071, 96.9289, 99.6217 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, 255, 244) }
```



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

```
.border{ border-color:rgb(242, 255, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 255, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(242, 255, 244); -webkit-box-shadow:4px 4px 4px 4px rgb(242, 255, 244); box-shadow:4px 4px 4px 4px rgb(242, 255, 244) }
```

# Background

The CSS property to change the background color of an element to XYZ 88.7071, 96.9289, 99.6217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 255, 244) }
```

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

```
.background{ background-color: rgb(242,  
255, 244) }
```

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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