

# Converting Colors

XYZ(112.5135, 100.0000,  
230.9904)

Have a look what the booklet for  
XYZ(112.5135, 100.0000, 230.9904)  
contains.

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# **Color**

**XYZ(88.9296, 90.4546,  
107.3801)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FAF1FF
RGB	250, 241, 255
RGB Percent	98%, 95%, 100%
CMY	0.0196, 0.0549, 0.0000
CMYK	0.02, 0.05, 0.00, 0.00
HSL	279°, 100%, 97%
HSV	279°, 5%, 100%
XYZ	88.9296, 90.4546, 107.3801
YIQ	245.2870, 0.8700, 6.2620

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	250, 241, 255
Decimal	16445951
CIE Lab	96.19, 5.48, -5.65
CIE LCh	96, 7.872, 314.100
Yxy	90.4546, 0.3101, 0.3154
Android (android.graphics.Color)	4294636031 (0xFFFAF1FF)
YUV	245.2870, 4.7885, 4.1333
Hunter-Lab	95.1076, 0.4666, -0.3653

# Details

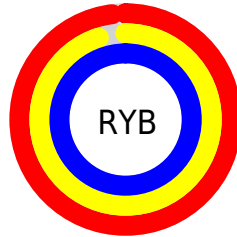
The XYZ color **88.9296, 90.4546, 107.3801** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **89.6456, 97.4648, 97.3115**, and the grayscale version is **86.9863, 91.5164, 99.6614**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **49.7901, 50.2445, 60.5000** is the 20% darker color. If you saturate the color by 10%, you get **78.7188, 74.7610, 104.8891**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

# Distribution



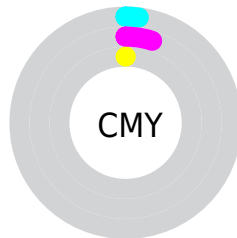
- Red (98%)
- Green (95%)
- Blue (100%)



- Red (98%)
- Yellow (95%)
- Blue (100%)



- Cyan (2%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)




- Cyan (2%)
- Magenta (5%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 88.9296, 90.4546, 107.3801 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 88.9296, 90.4546, 107.3801 by changing the saturation by 10% instead.



 88.9296, 90.4546,  
107.3801

 88.9296, 90.4546,  
107.3801


512.8326,  
529.5085, 605.0512

 67.4265, 68.3577,  
81.8270


144.7366,  
147.9697, 173.4028

 49.7033, 50.1888,  
60.6879


179.7712,  
184.1567, 214.7094

 35.3946, 35.5635,  
43.5445


220.0471,  
225.8093, 262.1042

 24.1349, 24.0972,  
29.9780

265.9296,  
273.3117, 316.0059

 15.5590, 15.4058,  
19.5700

317.7840,  
327.0485, 376.8329

 9.3015, 9.1047,  
11.9019

375.9758,

 4.9970, 4.8095,

387.4039, 445.0037

6.5552

440.8702,  
454.7625, 520.9370

■ 2.2803, 2.1359,  
3.1113

■ 0.7845, 0.6847,  
1.1517

■ 88.9296, 90.4546,  
107.3801

■ 88.9296, 90.4546,  
107.3801

■ 78.7188, 74.7610,  
104.8891

95.0500, 100.0000,  
108.9000

■ 69.6739, 61.1694,  
102.7424

■ 61.7483, 49.5891,  
100.9249

■ 54.8895, 39.9184,  
99.4198

■ 49.0402, 32.0461,  
98.2086

■ 44.1373, 25.8496,  
97.2709

■ 40.1096, 21.1904,  
96.5839

■ 36.8745, 17.9067,  
96.1206

■ 34.3302, 15.7992,  
95.8479

# Harmonies

## Analogous

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



87.0013, 90.4546, 110.6189



88.9296, 90.4546, 107.3801



90.0761, 90.4546, 101.8210

# Triad

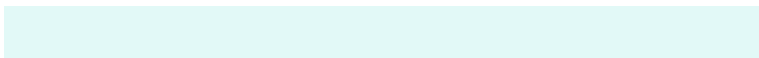
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.9296, 90.4546, 107.3801



87.1298, 90.4546, 87.3714



81.9660, 90.4546, 101.4482

# Complementary

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



88.9296, 90.4546, 107.3801



89.6456, 97.4648, 97.3115

# 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.



81.9991, 90.4546, 95.2318



88.9296, 90.4546, 107.3801



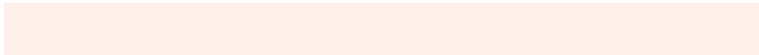
84.9556, 90.4546, 87.2812

# Square

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



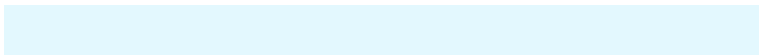
88.9296, 90.4546, 107.3801



89.0251, 90.4546, 90.3561



83.0854, 90.4546, 90.1040



82.9942, 90.4546, 107.0973



# Rectangle

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



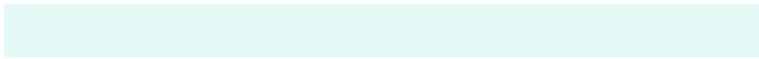
88.9296, 90.4546, 107.3801



90.2308, 90.4546, 97.6325



83.0854, 90.4546, 90.1040



81.8540, 90.4546, 99.3519

# Sweetspot

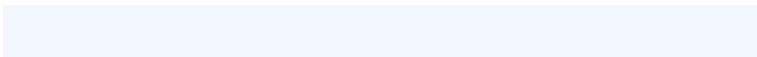
The Sweet Spot groups the original color and five complimentary colors.



88.9320, 90.4584, 107.3807



92.7775, 96.4452, 108.3336



87.3251, 91.9168, 107.7469



19.8821, 20.6805, 23.1938



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.



88.9320, 90.4584, 107.3807



87.3108, 87.9460, 106.9813



90.4480, 91.2745, 105.8912



18.5512, 18.6124, 22.8647



17.5913, 7.9791, 50.0475



1.8320, 0.8383, 4.8785



# Inverse Universe

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



89.3323, 90.8282, 100.0155



87.8248, 88.4181, 97.6483



88.1959, 96.6851, 98.7062



18.6711, 18.7222, 20.7006



22.6017, 11.5300, 6.5529

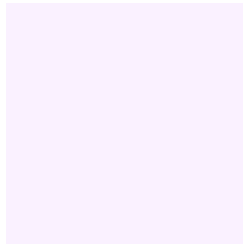


2.2505, 1.1426, 0.9005



# Previews

## White Background



This preview shows how the XYZ color 88.9296, 90.4546, 107.3801 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 88.9296, 90.4546, 107.3801 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

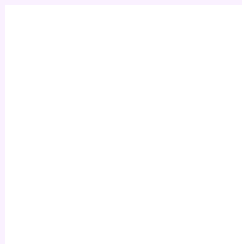
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 88.9296, 90.4546, 107.3801

## Background



This preview shows how black text looks on a background with the XYZ color 88.9296, 90.4546, 107.3801.



This preview shows how white text looks on a background with the XYZ color 88.9296, 90.4546,



# 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

88.9296, 90.4546, 107.3801

### Protanopia

87.7568, 90.7337, 107.4958

### Deuteranopia

89.8127, 90.5452, 104.0101



## Tritanopia

88.5722, 90.2703, 107.3634

# Trichromacy



## Original Color

88.9296, 90.4546, 107.3801

## Protanomaly

88.1599, 90.4984, 107.4292

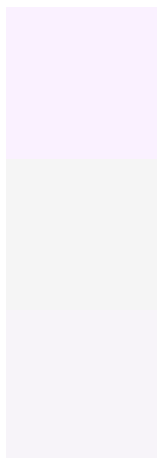
## Deuteranomaly

89.2388, 90.2311, 104.8084

## Tritanomaly

88.5722, 90.2703, 107.3634

# Monochromacy



## Original Color

88.9296, 90.4546, 107.3801

## Achromatopsia

86.7900, 91.3099, 99.4364

## Achromatomaly

87.8073, 91.3151, 102.6202

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 88.9296, 90.4546, 107.3801 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(250, 241, 255) looks like.

```
.text, #text, p{  
    color:rgb(250, 241, 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(250, 241, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 241, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 88.9296, 90.4546, 107.3801 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(250, 241, 255) }
```



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

```
.border{ border-color:rgb(250, 241, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 241, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 241, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 241, 255);  
box-shadow:4px 4px 4px 4px rgb(250, 241,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 88.9296, 90.4546, 107.3801 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 241, 255) }
```

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

```
.background{ background-color: rgb(250,  
241, 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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