

Converting Colors

XYZ(67.3750, 67.9871, 90.1814)

Have a look what the booklet for
XYZ(67.3750, 67.9871, 90.1814)
contains.

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Color

**XYZ(67.2950, 67.8589,
90.4402)**

Conversions

Conversions Part 1

Format	Color
Hex	D8D4EE
RGB	216, 212, 238
RGB Percent	85%, 83%, 93%
CMY	0.1529, 0.1686, 0.0667
CMYK	0.09, 0.11, 0.00, 0.07
HSL	249°, 43%, 88%
HSV	249°, 11%, 93%
XYZ	67.2950, 67.8589, 90.4402
YIQ	216.1600, -5.9620, 8.9340

Conversions

Conversions Part 2

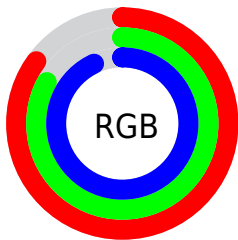
Format	Color
R _Y B	216, 212, 238
Decimal	14210286
CIE Lab	85.94, 6.26, -12.25
CIE LCh	86, 13.759, 297.073
Yxy	67.8589, 0.2983, 0.3008
Android (android.graphics.Color)	4292400366 (0xFFD8D4EE)
YUV	216.1600, 10.7671, -0.1403
Hunter-Lab	82.3765, 1.6613, -7.4302

Details

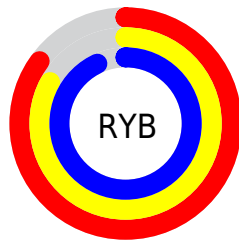
The XYZ color **67.2950, 67.8589, 90.4402** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **76.3923, 83.3967, 74.3614**, and the grayscale version is **65.3128, 68.7141, 74.8297**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.1984, 35.0684, 49.1697** is the 20% darker color. If you saturate the color by 10%, you get **56.1887, 53.9443, 88.3408**, and if you desaturate by 10%, it is **80.0116, 83.9091, 92.8690**.

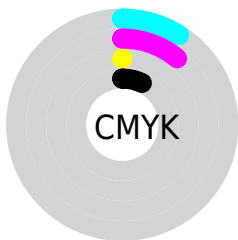
Distribution



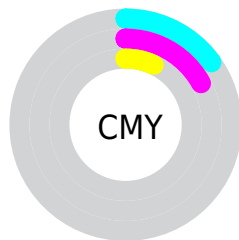
- Red (85%)
- Green (83%)
- Blue (93%)



- Red (85%)
- Yellow (83%)
- Blue (93%)



- Cyan (9%)
- Magenta (11%)
- Yellow (0%)
- Black (7%)



- Cyan (15%)
- Magenta (17%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.2950, 67.8589, 90.4402 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 67.2950, 67.8589, 90.4402 by changing the saturation by 10% instead.

67.2950, 67.8589,
90.4402

67.2950, 67.8589,
90.4402

440.4101,
452.9959, 550.0688

49.5960, 49.7830,
67.7700

114.3905,
116.1503, 149.8906

35.3090, 35.2410,
49.2451

144.5176,
147.1345, 187.5078

24.0686, 23.8486,
34.4470

179.5182,
183.1902, 230.9445

15.5095, 15.2213,
22.9571

219.7576,
224.7019, 280.6193

9.2664, 8.9749,
14.3568

265.6011,
272.0539, 336.9505

4.9738, 4.7248,
8.2277

317.4142,

2.2665, 2.0867,

325.6307, 400.3568

4.1511

375.5620,
385.8165, 471.2567

■ 0.7775, 0.6571,
1.7086

■ 0.0000, 0.0000,
0.3666

■ 67.2950, 67.8589,
90.4402

■ 67.2950, 67.8589,
90.4402

■ 56.1887, 53.9443,
88.3408

■ 80.0116, 83.9091,
92.8690

■ 46.6222, 42.0667,
86.5524

■ 92.4328, 98.9531,
95.1181

■ 38.5286, 32.1325,
85.0615

■ 31.8339, 24.0376,
83.8519

■ 26.4571, 17.6677,
82.9058

■ 22.3093, 12.8959,
82.2033

■ 19.2897, 9.5774,
81.7220

■ 17.2810, 7.5407,
81.4347

■ 16.1813, 6.5590,
81.3032

Harmonies

Analogous

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



64.1890, 67.8589, 92.6071



67.2950, 67.8589, 90.4402



69.7185, 67.8589, 83.7262

Triad

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



67.2950, 67.8589, 90.4402



67.8477, 67.8589, 60.2576



58.6339, 67.8589, 73.0043

Complementary

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



67.2950, 67.8589, 90.4402



76.3923, 83.3967, 74.3614

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.



59.5446, 67.8589, 64.8501



67.2950, 67.8589, 90.4402



64.8077, 67.8589, 57.8763

Square

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



67.2950, 67.8589, 90.4402



70.0448, 67.8589, 66.2671



61.7793, 67.8589, 59.4875



59.2517, 67.8589, 82.0693

Rectangle

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



67.2950, 67.8589, 90.4402



70.5854, 67.8589, 77.8371



61.7793, 67.8589, 59.4875



58.7707, 67.8589, 70.0725

Sweetspot

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



67.2970, 67.8618, 90.4417



90.3162, 94.0086, 107.9930



72.0374, 79.0746, 92.3561



19.0669, 19.7874, 23.0644



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.



67.2970, 67.8618, 90.4417



75.7933, 75.7052, 105.2256



71.2595, 69.9045, 90.6271



15.1235, 15.3454, 19.8865



9.0951, 3.6941, 45.3615



0.8242, 0.3422, 3.7768

Inverse Universe

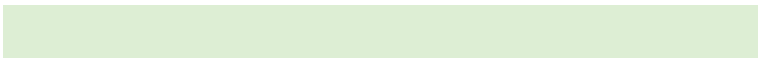
The Inverse Universe completely reimagines the original color for something new.



73.6570, 71.2075, 87.7074



84.5615, 80.3189, 101.4089



72.3096, 81.2920, 74.1704



16.3437, 15.9872, 19.3662



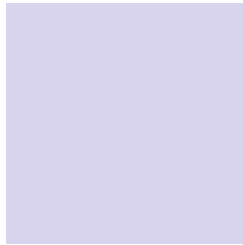
25.6190, 12.5200, 32.2398



2.1592, 1.0527, 2.8291

Previews

White Background



This preview shows how the XYZ color 67.2950, 67.8589, 90.4402 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 67.2950, 67.8589, 90.4402 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

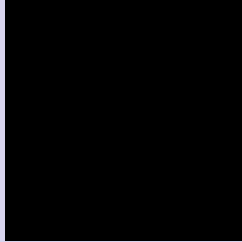
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 67.2950, 67.8589, 90.4402

Background



This preview shows how black text looks on a background with the XYZ color 67.2950, 67.8589, 90.4402.



This preview shows how white text looks on a background with the XYZ color 67.2950, 67.8589,

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

67.2950, 67.8589, 90.4402

Protanopia

66.5256, 67.8175, 91.2452

Deuteranopia

69.4318, 67.8405, 91.0964



Tritanopia

66.1015, 67.7487, 84.4558

Trichromacy



Original Color

67.2950, 67.8589, 90.4402

Protanomaly

66.8148, 67.9666, 91.2587

Deuteranomaly

68.7508, 67.8548, 91.1351

Tritanomaly

66.5266, 67.9188, 86.6941

Monochromacy



Original Color

67.2950, 67.8589, 90.4402

Achromatopsia

65.2694, 68.6685, 74.7800

Achromatomaly

66.0739, 68.5816, 80.2761

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.2950, 67.8589, 90.4402 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(216, 212, 238)` looks like.

```
.text, #text, p{  
    color:rgb(216, 212, 238)  
}
```

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(216, 212, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 212, 238) }
```

Border

The CSS property to change the border of an element to XYZ 67.2950, 67.8589, 90.4402 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(216, 212, 238) }
```


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

```
.border{ border-color:rgb(216, 212, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 212, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 212, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 212, 238);  
box-shadow:4px 4px 4px 4px rgb(216, 212,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 67.2950, 67.8589, 90.4402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 212, 238) }
```

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

```
.background{ background-color: rgb(216,  
212, 238) }
```

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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