

Converting Colors

XYZ(68.0849, 67.5302, 90.3395)

Have a look what the booklet for
XYZ(68.0849, 67.5302, 90.3395)
contains.

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Color

**XYZ(67.9944, 67.4819,
90.3305)**

Conversions

Conversions Part 1

Format	Color
Hex	DCD2EE
RGB	220, 210, 238
RGB Percent	86%, 82%, 93%
CMY	0.1372, 0.1765, 0.0667
CMYK	0.08, 0.12, 0.00, 0.07
HSL	261°, 45%, 88%
HSV	261°, 12%, 93%
XYZ	67.9944, 67.4819, 90.3305
YIQ	216.1820, -3.0280, 10.8280

Conversions

Conversions Part 2

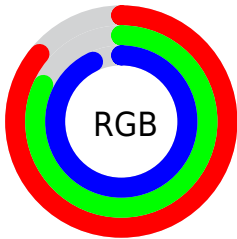
Format	Color
R _Y B	220, 210, 238
Decimal	14471918
CIE Lab	85.75, 8.62, -12.50
CIE LCh	86, 15.183, 304.574
Yxy	67.4819, 0.3011, 0.2988
Android (android.graphics.Color)	4292661998 (0xFFDCD2EE)
YUV	216.1820, 10.7563, 3.3484
Hunter-Lab	82.1474, 3.9888, -7.6930

Details

The XYZ color **67.9944, 67.4819, 90.3305** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **74.2048, 82.2980, 72.9502**, and the grayscale version is **65.3265, 68.7285, 74.8454**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.8490, 35.1537, 49.1519** is the 20% darker color. If you saturate the color by 10%, you get **58.1291, 54.3139, 88.3098**, and if you desaturate by 10%, it is **79.1615, 82.6218, 92.6653**.

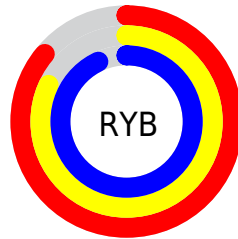
Distribution



Red (86%)

Green (82%)

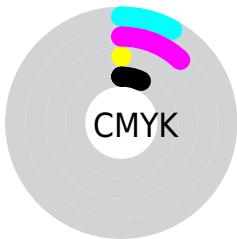
Blue (93%)



Red (86%)

Yellow (82%)

Blue (93%)

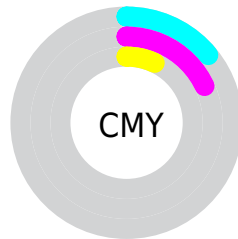


Cyan (8%)

Magenta (12%)

Yellow (0%)

Black (7%)



Cyan (14%)

Magenta (18%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.9944, 67.4819, 90.3305 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 67.9944, 67.4819, 90.3305 by changing the saturation by 10% instead.

67.9944, 67.4819,
90.3305

67.9944, 67.4819,
90.3305

442.8532,
451.6582, 549.7032

50.1668, 49.4764,
67.6795

115.3861,
115.6107, 149.7369

35.7643, 34.9975,
49.1720

145.6809,
146.5026, 187.3294

24.4215, 23.6610,
34.3894

180.8622,
182.4589, 230.7396

15.7730, 15.0823,
22.9131

221.2954,
223.8639, 280.3859

9.4535, 8.8772,
14.3247

267.3457,
271.1019, 336.6868

5.0976, 4.6612,
8.2055

319.3785,

2.3400, 2.0499,

324.5573, 400.0610

4.1371

377.7592,
384.6146, 470.9269

■ 0.8150, 0.6362,
1.7008

■ 0.0000, 0.0000,
0.3613

■ 67.9944, 67.4819,
90.3305

■ 67.9944, 67.4819,
90.3305

■ 58.1291, 54.3139,
88.3098

■ 79.1615, 82.6218,
92.6653

■ 49.5098, 43.0265,
86.5854

■ 90.8344, 98.1291,
95.0432

■ 42.0854, 33.5339,
85.1445

■ 92.4328, 98.9531,
95.1181

■ 35.7987, 25.7400,
83.9714

■ 30.5876, 19.5398,
83.0493

■ 26.3831, 14.8158,
82.3591

■ 23.1073, 11.4338,
81.8790

■ 20.6687, 9.2334,
81.5828

■ 19.1777, 8.1037,
81.4433

Harmonies

Analogous

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



64.6723, 67.4819, 94.1808



67.9944, 67.4819, 90.3305



70.3457, 67.4819, 81.9751

Triad

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



67.9944, 67.4819, 90.3305



67.0422, 67.4819, 57.5583



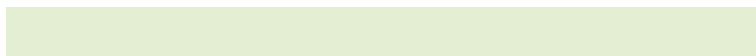
57.7259, 67.4819, 75.0083

Complementary

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



67.9944, 67.4819, 90.3305



74.2048, 82.2980, 72.9502

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.



58.3095, 67.4819, 65.5862



67.9944, 67.4819, 90.3305



63.6097, 67.4819, 56.0530

Square

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



67.9944, 67.4819, 90.3305



69.7822, 67.4819, 63.1733



60.4332, 67.4819, 58.8609



58.8095, 67.4819, 84.8427

Rectangle

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



67.9944, 67.4819, 90.3305



71.0022, 67.4819, 75.2949



60.4332, 67.4819, 58.8609



57.7340, 67.4819, 71.6872

Sweetspot

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



67.9964, 67.4848, 90.3320



89.5103, 92.4412, 107.7330



69.8118, 75.4739, 91.7784



18.9419, 19.4911, 23.0138



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.



67.9964, 67.4848, 90.3320



76.7540, 75.2035, 105.0781



72.3473, 69.7277, 90.5356



15.4299, 15.5033, 19.9008



10.8270, 4.5869, 45.4426



1.0054, 0.4356, 3.7853

Inverse Universe

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



72.3124, 69.8748, 83.0780



82.7148, 78.5057, 94.9969



69.9997, 80.1302, 72.7534



16.2007, 15.9300, 18.6132



22.9439, 11.4500, 18.1532



1.9560, 0.9714, 1.7589

Previews

White Background



This preview shows how the XYZ color 67.9944, 67.4819, 90.3305 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 67.9944, 67.4819, 90.3305 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

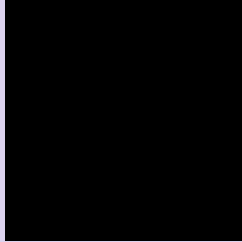
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

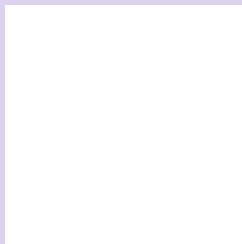
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.9944, 67.4819, 90.3305

Background



This preview shows how black text looks on a background with the XYZ color 67.9944, 67.4819, 90.3305.



This preview shows how white text looks on a background with the XYZ color 67.9944, 67.4819,

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

67.9944, 67.4819, 90.3305

Protanopia

66.3864, 67.7287, 92.0121

Deuteranopia

68.9736, 67.6213, 90.3058



Tritanopia

66.4605, 67.5938, 82.9429

Trichromacy



Original Color

67.9944, 67.4819, 90.3305

Protanomaly

66.8550, 67.6151, 91.1887

Deuteranomaly

68.6645, 67.4620, 90.2914

Tritanomaly

67.0732, 67.4748, 85.8327

Monochromacy



Original Color

67.9944, 67.4819, 90.3305

Achromatopsia

65.2694, 68.6685, 74.7800

Achromatomaly

66.1164, 68.2267, 80.2054

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.9944, 67.4819, 90.3305 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(220, 210, 238)` looks like.

```
.text, #text, p{  
    color:rgb(220, 210, 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(220, 210, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 210, 238) }
```

Border

The CSS property to change the border of an element to XYZ 67.9944, 67.4819, 90.3305 is called "border". The border property can be set on classes, ids or directly on the HTML element.

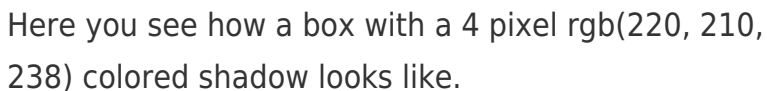
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(220, 210, 238) }
```


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

```
.border{ border-color:rgb(220, 210, 238) }
```

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



Here you see how a box with a 4 pixel `rgb(220, 210, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(220, 210, 238); -webkit-box-shadow:4px 4px 4px 4px rgb(220, 210, 238); box-shadow:4px 4px 4px 4px rgb(220, 210, 238) }
```

Background

The CSS property to change the background color of an element to XYZ 67.9944, 67.4819, 90.3305 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 210, 238) }
```

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

```
.background{ background-color: rgb(220,  
210, 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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