

Converting Colors

XYZ(66.3699, 64.8622, 90.4687)

Have a look what the booklet for
XYZ(66.3699, 64.8622, 90.4687)
contains.

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Color

**XYZ(66.3248, 64.8001,
90.6733)**

Conversions

Conversions Part 1

Format	Color
Hex	DACDEF
RGB	218, 205, 239
RGB Percent	85%, 80%, 94%
CMY	0.1451, 0.1961, 0.0627
CMYK	0.09, 0.14, 0.00, 0.06
HSL	263°, 52%, 87%
HSV	263°, 14%, 94%
XYZ	66.3248, 64.8001, 90.6733
YIQ	212.7630, -3.1660, 13.3300

Conversions

Conversions Part 2

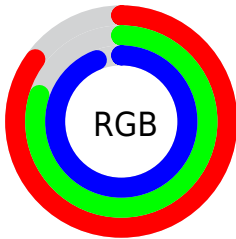
Format	Color
RYB	218, 205, 239
Decimal	14339567
CIELab	84.38, 10.81, -15.09
CIELCh	84, 18.568, 305.619
Yxy	64.8001, 0.2990, 0.2922
Android (android.graphics.Color)	4292529647 (0xFFDACDEF)
YUV	212.7630, 12.9348, 4.5928
Hunter-Lab	80.4985, 6.1984, -10.4351

Details

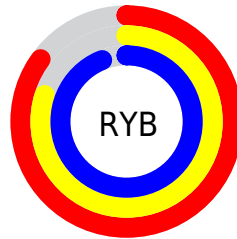
The XYZ color **66.3248, 64.8001, 90.6733** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **73.2522, 82.3112, 69.7876**, and the grayscale version is **63.0071, 66.2884, 72.1880**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **34.7181, 33.3386, 49.4049** is the 20% darker color. If you saturate the color by 10%, you get **56.8192, 52.0526, 88.7148**, and if you desaturate by 10%, it is **77.1008, 79.5023, 92.9442**.

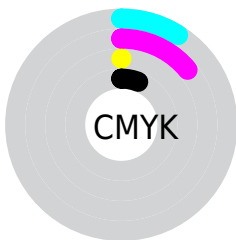
Distribution



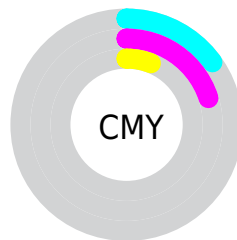
- Red (85%)
- Green (80%)
- Blue (94%)



- Red (85%)
- Yellow (80%)
- Blue (94%)



- Cyan (9%)
- Magenta (14%)
- Yellow (0%)
- Black (6%)



- Cyan (15%)
- Magenta (20%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.3248, 64.8001, 90.6733 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 66.3248, 64.8001, 90.6733 by changing the saturation by 10% instead.

66.3248, 64.8001,
90.6733

66.3248, 64.8001,
90.6733

437.0079,
442.0733, 550.8452

48.8048, 47.2990,
67.9624

113.0075,
111.7624, 150.2170

34.6786, 33.2721,
49.4006

142.9010,
141.9924, 187.8868

23.5807, 22.3350,
34.5695

177.6496,
177.2342, 231.3799

15.1459, 14.1032,
23.0506

217.6187,
217.8721, 281.1150

9.0089, 8.1925,
14.4252

263.1738,
264.2906, 337.5105

4.8041, 4.2184,
8.2749

314.6801,

2.1664, 1.7965,

316.8740, 400.9850

4.1810

372.5030,
376.0068, 471.9571

■ 0.7249, 0.4850,
1.7252

■ 0.0000, 0.0000,
0.3779

■ 66.3248, 64.8001,
90.6733

■ 66.3248, 64.8001,
90.6733

■ 56.8192, 52.0526,
88.7148

■ 77.1008, 79.5023,
92.9442

■ 48.5284, 41.1673,
87.0507

■ 89.1882, 96.2300,
95.5358

■ 41.4013, 32.0565,
85.6678

■ 92.5802, 99.0121,
95.8941

■ 35.3804, 24.6217,
84.5500

■ 30.4030, 18.7550,
83.6800

■ 26.3993, 14.3349,
83.0378

■ 23.2898, 11.2214,
82.6008

■ 20.9790, 9.2445,
82.3410

■ 19.9314, 8.4752,
82.2477

Harmonies

Analogous

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



62.3701, 64.8001, 95.6548



66.3248, 64.8001, 90.6733



69.0986, 64.8001, 80.3520

Triad

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



66.3248, 64.8001, 90.6733



64.9222, 64.8001, 51.8281



54.0316, 64.8001, 72.8030

Complementary

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



66.3248, 64.8001, 90.6733



73.2522, 82.3112, 69.7876

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.



54.6471, 64.8001, 61.5909



66.3248, 64.8001, 90.6733



60.8175, 64.8001, 50.2837

Square

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



66.3248, 64.8001, 90.6733



68.2638, 64.8001, 58.1402



57.0871, 64.8001, 53.6592



55.3670, 64.8001, 84.6251

Rectangle

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



66.3248, 64.8001, 90.6733



69.8397, 64.8001, 72.3054



57.0871, 64.8001, 53.6592



54.0179, 64.8001, 68.8356

Sweetspot

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



66.3268, 64.8028, 90.6747



89.6018, 92.4884, 107.7373



68.1007, 73.8966, 92.3365



18.9651, 19.5031, 23.0149



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.



66.3268, 64.8028, 90.6747



73.5718, 70.6627, 104.3693



71.4984, 67.4689, 90.9168



15.4685, 15.5232, 19.9026



11.1495, 4.7532, 45.4577



1.0351, 0.4509, 3.7867

Inverse Universe

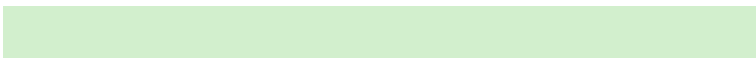
The Inverse Universe completely reimagines the original color for something new.



71.1576, 67.5072, 81.2342



80.1915, 74.3703, 91.3464



68.3338, 79.7756, 69.5574



16.1832, 15.9230, 18.5211



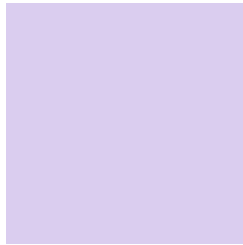
22.6751, 11.3425, 16.7376



1.9347, 0.9629, 1.6471

Previews

White Background



This preview shows how the XYZ color 66.3248, 64.8001, 90.6733 looks on a white background.

Color Contrast Check

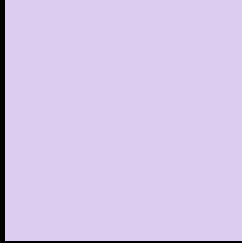
Large Text (above 18pt) WCAG AA × Fail

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 66.3248, 64.8001, 90.6733 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

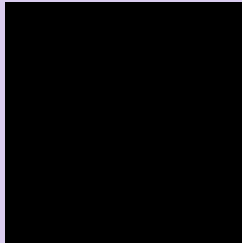
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 66.3248, 64.8001, 90.6733

Background



This preview shows how black text looks on a background with the XYZ color 66.3248, 64.8001, 90.6733.



This preview shows how white text looks on a background with the XYZ color 66.3248, 64.8001,

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

66.3248, 64.8001, 90.6733

Protanopia

64.0043, 64.9909, 93.1755

Deuteranopia

66.3248, 64.8001, 90.6733



Tritanopia

64.3293, 65.0925, 79.6946

Trichromacy



Original Color

66.3248, 64.8001, 90.6733

Protanomaly

65.0114, 65.1643, 92.3706

Deuteranomaly

66.3248, 64.8001, 90.6733

Tritanomaly

65.0710, 65.0345, 83.2520

Monochromacy



Original Color

66.3248, 64.8001, 90.6733

Achromatopsia

63.2451, 66.5387, 72.4607

Achromatomaly

64.2557, 65.8142, 78.4240

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.3248, 64.8001, 90.6733 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(218, 205, 239)` looks like.

```
.text, #text, p{  
    color:rgb(218, 205, 239)  
}
```

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(218, 205, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 205, 239) }
```

Border

The CSS property to change the border of an element to XYZ 66.3248, 64.8001, 90.6733 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(218, 205, 239) }
```


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

```
.border{ border-color:rgb(218, 205, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 205, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 205, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 205, 239);  
box-shadow:4px 4px 4px 4px rgb(218, 205,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 66.3248, 64.8001, 90.6733 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 205, 239) }
```

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

```
.background{ background-color: rgb(218,  
205, 239) }
```

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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