

Converting Colors

XYZ(64.8763, 66.6267, 90.2873)

Have a look what the booklet for
XYZ(64.8763, 66.6267, 90.2873)
contains.

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Color

**XYZ(64.9885, 66.6699,
90.3322)**

Conversions

Conversions Part 1

Format	Color
Hex	D0D4EE
RGB	208, 212, 238
RGB Percent	82%, 83%, 93%
CMY	0.1843, 0.1686, 0.0667
CMYK	0.13, 0.11, 0.00, 0.07
HSL	232°, 47%, 87%
HSV	232°, 13%, 93%
XYZ	64.9885, 66.6699, 90.3322
YIQ	213.7680, -10.7300, 7.2380

Conversions

Conversions Part 2

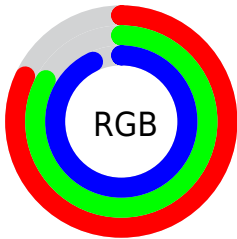
Format	Color
R _Y B	208, 212, 238
Decimal	13685998
CIE Lab	85.34, 3.69, -13.21
CIE LCh	85, 13.715, 285.619
Yxy	66.6699, 0.2928, 0.3003
Android (android.graphics.Color)	4291876078 (0xFFD0D4EE)
YUV	213.7680, 11.9464, -5.0585
Hunter-Lab	81.6516, -0.8179, -8.4371

Details

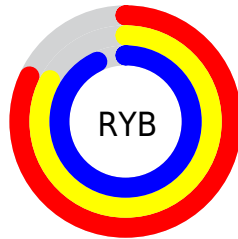
The XYZ color **64.9885, 66.6699, 90.3322** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **76.0682, 81.5764, 71.4124**, and the grayscale version is **63.6896, 67.0065, 72.9700**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.6373, 34.2636, 49.0966** is the 20% darker color. If you saturate the color by 10%, you get **53.9622, 53.8161, 88.4334**, and if you desaturate by 10%, it is **77.6814, 81.3640, 92.5005**.

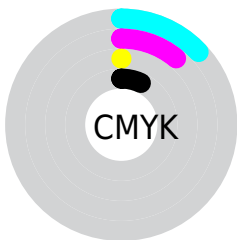
Distribution



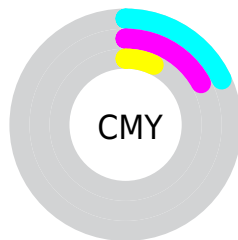
- Red (82%)
- Green (83%)
- Blue (93%)



- Red (82%)
- Yellow (83%)
- Blue (93%)



- Cyan (13%)
- Magenta (11%)
- Yellow (0%)
- Black (7%)



- Cyan (18%)
- Magenta (17%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.9885, 66.6699, 90.3322 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 64.9885, 66.6699, 90.3322 by changing the saturation by 10% instead.

■ 64.9885, 66.6699,
90.3322

■ 64.9885, 66.6699,
90.3322

432.2965,
448.7689, 549.7089

■ 47.7164, 48.8164,
67.6809

111.0991,
114.4473, 149.7393

■ 33.8127, 34.4739,
49.1731

140.6684,
145.1400, 187.3322

■ 22.9119, 23.2579,
34.3903

175.0674,
180.8812, 230.7428

■ 14.6488, 14.7840,
22.9138

214.6616,
222.0553, 280.3895

■ 8.6580, 8.6680,
14.3252

259.8162,
269.0467, 336.6909

■ 4.5741, 4.5252,
8.2058

310.8966,

■ 2.0318, 1.9715,

322.2399, 400.0656

4.1373

368.2683,
382.0191, 470.9321

■ 0.6517, 0.5908,
1.7010

■ 0.0000, 0.0000,
0.3614

■ 64.9885, 66.6699,
90.3322

■ 64.9885, 66.6699,
90.3322

■ 53.9622, 53.8161,
88.4334

■ 77.6814, 81.3640,
92.5005

■ 44.5273, 42.7218,
86.7892

■ 91.8783, 97.8441,
94.9332

■ 36.6114, 33.3125,
85.3903

■ 92.4328, 98.9531,
95.1181

■ 30.1345, 25.5050,
84.2246

■ 25.0088, 19.2092,
83.2796

■ 21.1370, 14.3256,
82.5410

■ 18.4083, 10.7428,
81.9933

■ 16.6917, 8.3316,
81.6183

■ 15.9428, 7.1930,
81.4381

Harmonies

Analogous

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



61.8967, 66.6699, 90.4429



64.9885, 66.6699, 90.3322



67.7304, 66.6699, 85.2175

Triad

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



64.9885, 66.6699, 90.3322



67.6351, 66.6699, 61.0468



57.7597, 66.6699, 68.4285

Complementary

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



64.9885, 66.6699, 90.3322



76.0682, 81.5764, 71.4124

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.



59.1966, 66.6699, 61.2798



64.9885, 66.6699, 90.3322



64.8619, 66.6699, 57.2599

Square

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



64.9885, 66.6699, 90.3322



69.2921, 66.6699, 68.0861



61.7742, 66.6699, 57.3415



57.7911, 66.6699, 77.2929

Rectangle

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



64.9885, 66.6699, 90.3322



68.9616, 66.6699, 79.8803



61.7742, 66.6699, 57.3415



58.0849, 66.6699, 65.7614

Sweetspot

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



64.9905, 66.6727, 90.3337



88.6412, 92.6060, 107.8106



71.3677, 80.4719, 89.2381



18.7227, 19.5324, 23.0333



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.



64.9905, 66.6727, 90.3337



72.6734, 74.0982, 105.0798



67.0529, 66.2688, 90.1470



15.0673, 15.5687, 19.9325



8.9468, 4.1179, 45.4512



0.7975, 0.4490, 3.7988

Inverse Universe

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



69.7010, 68.0438, 71.7507



79.1537, 76.0230, 79.5065



73.7973, 82.1166, 71.6364



15.8586, 15.7932, 16.8119



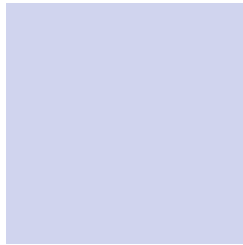
19.8416, 10.2091, 1.8163



1.6775, 0.8600, 0.2925

Previews

White Background



This preview shows how the XYZ color 64.9885, 66.6699, 90.3322 looks on a white background.

Color Contrast Check

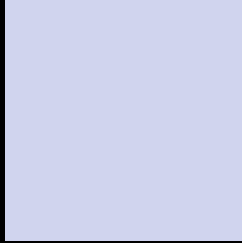
Large Text (above 18pt) WCAG AA × Fail

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 64.9885, 66.6699, 90.3322 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

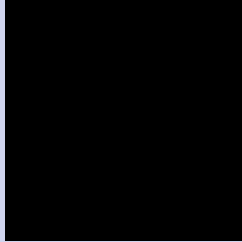
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.9885, 66.6699, 90.3322

Background



This preview shows how black text looks on a background with the XYZ color 64.9885, 66.6699, 90.3322.

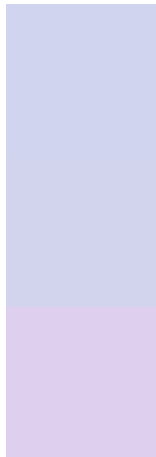


This preview shows how white text looks on a background with the XYZ color 64.9885, 66.6699,

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

64.9885, 66.6699, 90.3322

Protanopia

65.5544, 66.9617, 90.3587

Deuteranopia

68.0170, 66.3872, 90.8905



Tritanopia

63.8093, 66.5671, 84.3485

Trichromacy



Original Color

64.9885, 66.6699, 90.3322

Protanomaly

65.2706, 66.8153, 90.3454

Deuteranomaly

66.9957, 66.5846, 90.9824

Tritanomaly

64.2344, 66.7371, 86.5868

Monochromacy



Original Color

64.9885, 66.6699, 90.3322

Achromatopsia

63.9157, 67.2443, 73.2291

Achromatomaly

64.2649, 66.9133, 79.3405

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.9885, 66.6699, 90.3322 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(208, 212, 238) looks like.

```
.text, #text, p{  
    color:rgb(208, 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(208, 212, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 212, 238) }
```

Border

The CSS property to change the border of an element to XYZ 64.9885, 66.6699, 90.3322 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(208, 212, 238) }
```


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

```
.border{ border-color:rgb(208, 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(208, 212, 238) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 212, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 212, 238);  
box-shadow:4px 4px 4px 4px rgb(208, 212,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 64.9885, 66.6699, 90.3322 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 212, 238) }
```

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

```
.background{ background-color: rgb(208,  
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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