

Converting Colors

XYZ(68.3849, 68.6460, 96.8515)

Have a look what the booklet for
XYZ(68.3849, 68.6460, 96.8515)
contains.

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Color

**XYZ(68.4531, 68.6894,
96.8393)**

Conversions

Conversions Part 1

Format	Color
Hex	D7D5F6
RGB	215, 213, 246
RGB Percent	84%, 84%, 96%
CMY	0.1569, 0.1647, 0.0353
CMYK	0.13, 0.13, 0.00, 0.04
HSL	244°, 65%, 90%
HSV	244°, 13%, 96%
XYZ	68.4531, 68.6894, 96.8393
YIQ	217.3600, -9.4010, 10.6870

Conversions

Conversions Part 2

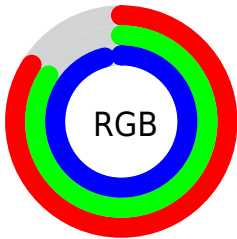
Format	Color
R _Y B	215, 213, 246
Decimal	14145014
CIE Lab	86.35, 7.02, -15.87
CIE LCh	86, 17.353, 293.857
Yxy	68.6894, 0.2926, 0.2936
Android (android.graphics.Color)	4292335094 (0xFFD7D5F6)
YUV	217.3600, 14.1195, -2.0697
Hunter-Lab	82.8791, 2.3918, -11.2615

Details

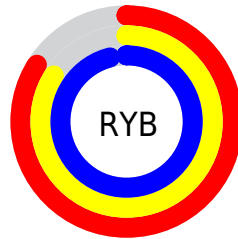
The XYZ color **68.4531, 68.6894, 96.8393** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **82.2768, 89.9506, 75.9798**, and the grayscale version is **66.1127, 69.5557, 75.7462**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.0183, 35.6450, 53.6970** is the 20% darker color. If you saturate the color by 10%, you get **56.4152, 53.9858, 94.6368**, and if you desaturate by 10%, it is **82.3924, 85.7700, 99.4026**.

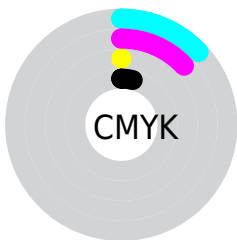
Distribution



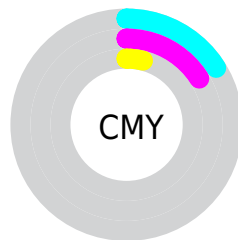
- Red (84%)
- Green (84%)
- Blue (96%)



- Red (84%)
- Yellow (84%)
- Blue (96%)



- Cyan (13%)
- Magenta (13%)
- Yellow (0%)
- Black (4%)



- Cyan (16%)
- Magenta (16%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.4531, 68.6894, 96.8393 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 68.4531, 68.6894, 96.8393 by changing the saturation by 10% instead.

68.4531, 68.6894,
96.8393

68.4531, 68.6894,
96.8393

444.4513,
455.9347, 571.1707

50.5415, 50.4588,
73.0615

116.0385,
117.3378, 158.8206

36.0634, 35.7781,
53.5341

146.4429,
148.5245, 197.8611

24.6535, 24.2629,
37.8387

181.7423,
184.7985, 242.8263

15.9464, 15.5287,
25.5566

222.3020,
226.5445, 294.1347

9.5769, 9.1913,
16.2695

268.4874,
274.1467, 352.2048

5.1794, 4.8662,
9.5586

320.6639,

2.3888, 2.1689,

327.9895, 417.4551

5.0055

379.1967,
388.4574, 490.3043

■ 0.8395, 0.7030,
2.1917

■ 0.0000, 0.0000,
0.6696

■ 68.4531, 68.6894,
96.8393

■ 68.4531, 68.6894,
96.8393

■ 56.4152, 53.9858,
94.6368

■ 82.3924, 85.7700,
99.4026

■ 46.1902, 41.5456,
92.7745

■ 93.6348, 99.4339,
101.4475

■ 37.6922, 31.2591,
91.2369

■ 30.8256, 23.0037,
90.0053

■ 25.4857, 16.6448,
89.0594

■ 21.5555, 12.0313,
88.3760

■ 18.9009, 8.9892,
87.9288

■ 17.3618, 7.3083,
87.6854

■ 16.8300, 6.7545,
87.6066

Harmonies

Analogous

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



64.4663, 68.6894, 98.9435



68.4531, 68.6894, 96.8393



71.7085, 68.6894, 88.5739

Triad

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



68.4531, 68.6894, 96.8393



69.9374, 68.6894, 58.3506



57.9229, 68.6894, 72.4549

Complementary

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



68.4531, 68.6894, 96.8393



82.2768, 89.9506, 75.9798

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.



59.2612, 68.6894, 62.5178



68.4531, 68.6894, 96.8393



66.1151, 68.6894, 54.9285

Square

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



68.4531, 68.6894, 96.8393



72.5897, 68.6894, 66.2172



62.2205, 68.6894, 56.3725



58.4917, 68.6894, 84.0749

Rectangle

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



68.4531, 68.6894, 96.8393



72.9708, 68.6894, 81.0949



62.2205, 68.6894, 56.3725



58.1629, 68.6894, 68.8227

Sweetspot

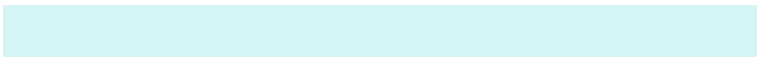
The Sweet Spot groups the original color and five complimentary colors.



68.4552, 68.6923, 96.8408



88.4439, 91.8915, 107.6831



76.5333, 85.7139, 99.7006



18.6730, 19.3525, 23.0012



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.



68.4552, 68.6923, 96.8408



70.6643, 70.1155, 104.4170



73.4346, 71.2593, 97.0739



15.6740, 15.9746, 20.7999



9.0205, 3.6245, 46.7622



0.8248, 0.3351, 4.1114

Inverse Universe

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



78.1318, 73.7160, 95.7020



82.9921, 76.5164, 102.9319



76.9154, 87.1867, 75.7289



17.1678, 16.7500, 20.6301



28.0126, 13.5485, 41.6361



2.4749, 1.1959, 3.7274

Previews

White Background



This preview shows how the XYZ color 68.4531, 68.6894, 96.8393 looks on a white background.

Color Contrast Check

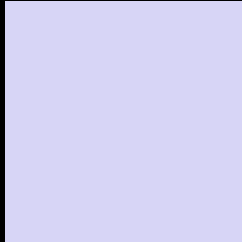
Large Text (above 18pt) WCAG AA × Fail

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 68.4531, 68.6894, 96.8393 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

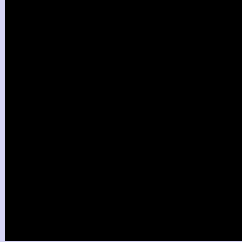
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.4531, 68.6894, 96.8393

Background



This preview shows how black text looks on a background with the XYZ color 68.4531, 68.6894, 96.8393.



This preview shows how white text looks on a background with the XYZ color 68.4531, 68.6894,

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

68.4531, 68.6894, 96.8393

Protanopia

67.6990, 68.6574, 97.6798

Deuteranopia

70.2665, 68.4966, 97.5134



Tritanopia

66.3065, 68.5732, 86.0852

Trichromacy



Original Color

68.4531, 68.6894, 96.8393

Protanomaly

67.9864, 68.8056, 97.6932

Deuteranomaly

69.5980, 68.5196, 97.5531

Tritanomaly

67.0642, 68.5037, 89.8086

Monochromacy



Original Color

68.4531, 68.6894, 96.8393

Achromatopsia

65.9525, 69.3872, 75.5626

Achromatomaly

66.8784, 69.3121, 83.2525

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.4531, 68.6894, 96.8393 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(215, 213, 246)` looks like.

```
.text, #text, p{  
    color:rgb(215, 213, 246)  
}
```

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(215, 213, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 213, 246) }
```

Border

The CSS property to change the border of an element to XYZ 68.4531, 68.6894, 96.8393 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(215, 213, 246) }
```


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

```
.border{ border-color:rgb(215, 213, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 213, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 213, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 213, 246);  
box-shadow:4px 4px 4px 4px rgb(215, 213,  
246) }
```

Background

The CSS property to change the background color of an element to XYZ 68.4531, 68.6894, 96.8393 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 213, 246) }
```

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

```
.background{ background-color: rgb(215,  
213, 246) }
```

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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