

# Converting Colors

XYZ(68.8910, 69.4514, 95.8682)

Have a look what the booklet for  
XYZ(68.8910, 69.4514, 95.8682)  
contains.

<b>XYZ(68.8469, 69.2846, 96.1309)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(68.8469, 69.2846,  
96.1309)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D8D6F5
RGB	216, 214, 245
RGB Percent	85%, 84%, 96%
CMY	0.1529, 0.1608, 0.0392
CMYK	0.12, 0.13, 0.00, 0.04
HSL	244°, 61%, 90%
HSV	244°, 13%, 96%
XYZ	68.8469, 69.2846, 96.1309
YIQ	218.1320, -8.7590, 10.0650

# Conversions

## Conversions Part 2

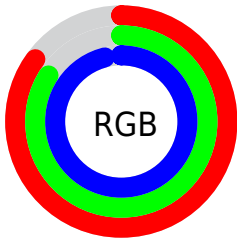
Format	Color
R <sub>Y</sub> B	216, 214, 245
Decimal	14210805
CIE Lab	86.64, 6.61, -14.89
CIE LCh	87, 16.291, 293.921
Yxy	69.2846, 0.2939, 0.2958
Android (android.graphics.Color)	4292400885 (0xFFD8D6F5)
YUV	218.1320, 13.2459, -1.8698
Hunter-Lab	83.2374, 1.9747, -10.2079

# Details

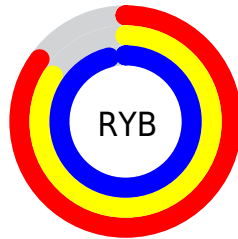
The XYZ color **68.8469, 69.2846, 96.1309** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **81.7546, 89.2164, 76.5331**, and the grayscale version is **66.6492, 70.1201, 76.3608**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.2814, 36.0475, 53.1897** is the 20% darker color. If you saturate the color by 10%, you get **56.8009, 54.5534, 93.9235**, and if you desaturate by 10%, it is **82.7742, 86.3736, 98.6965**.

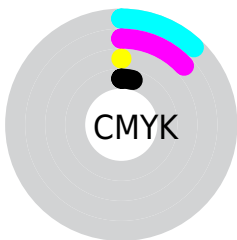
# Distribution



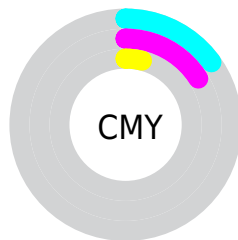
- Red (85%)
- Green (84%)
- Blue (96%)



- Red (85%)
- Yellow (84%)
- Blue (96%)



- Cyan (12%)
- Magenta (13%)
- Yellow (0%)
- Black (4%)



- Cyan (15%)
- Magenta (16%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 68.8469, 69.2846, 96.1309 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 68.8469, 69.2846, 96.1309 by changing the saturation by 10% instead.



68.8469, 69.2846,  
96.1309

68.8469, 69.2846,  
96.1309

445.8206,  
458.0341, 568.8557

50.8632, 50.9435,  
72.4745

116.5981,  
118.1880, 157.8351

36.3204, 36.1637,  
53.0572

147.0964,  
149.5191, 196.7199

24.8530, 24.5606,  
37.4604

182.4969,  
185.9490, 241.5180

16.0957, 15.7500,  
25.2656

223.1651,  
227.8620, 292.6478

9.6832, 9.3474,  
16.0542

269.4661,  
275.6427, 350.5280

5.2501, 4.9685,  
9.4077

321.7655,

2.4310, 2.2288,

329.6753, 415.5770

4.9077

380.4286,  
390.3443, 488.2134

■ 0.8606, 0.7356,  
2.1354

■ 0.0000, 0.0000,  
0.6367

■ 68.8469, 69.2846,  
96.1309

■ 68.8469, 69.2846,  
96.1309

■ 56.8009, 54.5534,  
93.9235

■ 82.7742, 86.3736,  
98.6965

■ 46.5497, 42.0684,  
92.0539

■ 93.4816, 99.3727,  
100.6412

■ 38.0090, 31.7217,  
90.5069

■ 31.0856, 23.3931,  
89.2643

■ 25.6772, 16.9509,  
88.3059

■ 21.6699, 12.2472,  
87.6092

■ 18.9336, 9.1125,  
87.1483

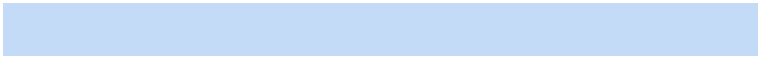
■ 17.3135, 7.3427,  
86.8921

■ 16.6917, 6.7010,  
86.8010

# Harmonies

## Analogous

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



65.0856, 69.2846, 98.1101



68.8469, 69.2846, 96.1309



71.9090, 69.2846, 88.3852

# Triad

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



68.8469, 69.2846, 96.1309



70.2305, 69.2846, 59.8228



58.8809, 69.2846, 73.2544

# Complementary

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



68.8469, 69.2846, 96.1309



81.7546, 89.2164, 76.5331

# 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.



60.1468, 69.2846, 63.8233



68.8469, 69.2846, 96.1309



66.6263, 69.2846, 56.5610

# Square

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



68.8469, 69.2846, 96.1309



72.7290, 69.2846, 67.3028



62.9471, 69.2846, 57.9525



59.4245, 69.2846, 84.2061



# Rectangle

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



68.8469, 69.2846, 96.1309



73.0932, 69.2846, 81.3576



62.9471, 69.2846, 57.9525



59.1073, 69.2846, 69.8149

# Sweetspot

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



68.8490, 69.2875, 96.1324



88.4579, 91.8987, 107.6837



76.4005, 85.2613, 98.8177



18.6765, 19.3543, 23.0013



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.



68.8490, 69.2875, 96.1324



72.0765, 71.8103, 104.6697



73.5015, 71.6860, 96.3502



15.6800, 15.9777, 20.8001



9.0304, 3.6297, 46.7627



0.8277, 0.3365, 4.1116



# Inverse Universe

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



77.8827, 73.9796, 94.9718



83.6441, 77.8192, 103.1529



76.7711, 86.6473, 76.2999



17.1648, 16.7488, 20.6145



27.9412, 13.5199, 41.2605



2.4694, 1.1937, 3.6985



# Previews

## White Background



This preview shows how the XYZ color 68.8469, 69.2846, 96.1309 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

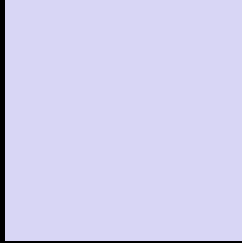
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 68.8469, 69.2846, 96.1309 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

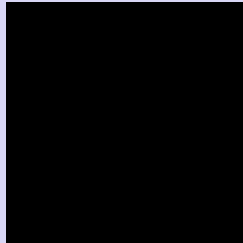
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 68.8469, 69.2846, 96.1309**

## **Background**



This preview shows how black text looks on a background with the XYZ color 68.8469, 69.2846, 96.1309.



This preview shows how white text looks on a background with the XYZ color 68.8469, 69.2846,



# 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

68.8469, 69.2846, 96.1309

### Protanopia

68.0864, 69.2517, 96.9672

### Deuteranopia

70.6693, 69.0896, 96.7997



## Tritanopia

66.9954, 69.2911, 86.9343

# Trichromacy



## Original Color

68.8469, 69.2846, 96.1309

## Protanomaly

68.3756, 69.4008, 96.9807

## Deuteranomaly

69.9968, 69.1129, 96.8397

## Tritanomaly

67.6108, 69.1624, 89.9070

# Monochromacy



## Original Color

68.8469, 69.2846, 96.1309

## Achromatopsia

66.6397, 70.1102, 76.3500

## Achromatomaly

67.4317, 69.9789, 83.3520

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 68.8469, 69.2846, 96.1309 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, 214, 245)` looks like.

```
.text, #text, p{  
    color:rgb(216, 214, 245)  
}
```

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, 214, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 214, 245) }
```

## Border

The CSS property to change the border of an element to XYZ 68.8469, 69.2846, 96.1309 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".

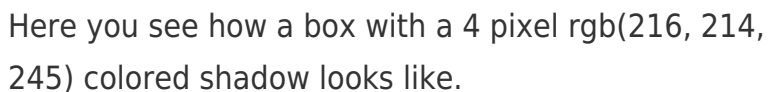
```
.border, #border, table{ border:4px solid rgb(216, 214, 245) }
```



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

```
.border{ border-color:rgb(216, 214, 245) }
```

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



Here you see how a box with a 4 pixel `rgb(216, 214, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(216, 214, 245); -webkit-box-shadow:4px 4px 4px 4px rgb(216, 214, 245); box-shadow:4px 4px 4px 4px rgb(216, 214, 245) }
```

# Background

The CSS property to change the background color of an element to XYZ 68.8469, 69.2846, 96.1309 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 214, 245) }
```

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

```
.background{ background-color: rgb(216,  
214, 245) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor