

# Converting Colors

XYZ(68.9944, 69.4818, 90.6639)

Have a look what the booklet for  
XYZ(68.9944, 69.4818, 90.6639)  
contains.

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# Color

**XYZ(68.9944, 69.4818,  
90.6639)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DCD6EE
RGB	220, 214, 238
RGB Percent	86%, 84%, 93%
CMY	0.1372, 0.1608, 0.0667
CMYK	0.08, 0.10, 0.00, 0.07
HSL	255°, 41%, 89%
HSV	255°, 10%, 93%
XYZ	68.9944, 69.4818, 90.6639
YIQ	218.5300, -4.1280, 8.7360

# Conversions

## Conversions Part 2

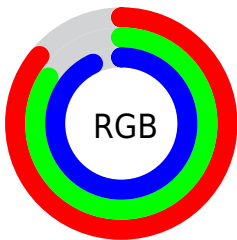
Format	Color
R <sub>Y</sub> B	220, 214, 238
Decimal	14472942
CIE Lab	86.74, 6.51, -11.02
CIE LCh	87, 12.794, 300.570
Yxy	69.4818, 0.3011, 0.3032
Android (android.graphics.Color)	4292663022 (0xFFD6CD6EE)
YUV	218.5300, 9.5987, 1.2892
Hunter-Lab	83.3557, 1.8737, -6.1392

# Details

The XYZ color **68.9944, 69.4818, 90.6639** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **75.9933, 83.1618, 75.6682**, and the grayscale version is **66.9460, 70.4324, 76.7009**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.3587, 36.1730, 49.3217** is the 20% darker color. If you saturate the color by 10%, you get **58.2884, 55.6663, 88.5626**, and if you desaturate by 10%, it is **81.1616, 85.3607, 93.0886**.

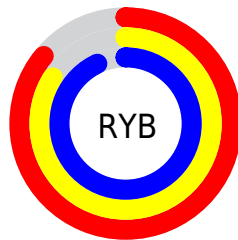
# Distribution



Red (86%)

Green (84%)

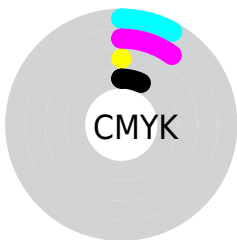
Blue (93%)



Red (86%)

Yellow (84%)

Blue (93%)

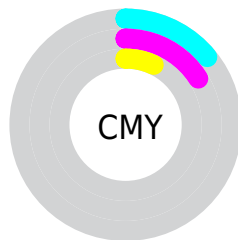


Cyan (8%)

Magenta (10%)

Yellow (0%)

Black (7%)



Cyan (14%)

Magenta (16%)

Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 68.9944, 69.4818, 90.6639 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 68.9944, 69.4818, 90.6639 by changing the saturation by 10% instead.



68.9944, 69.4818,  
90.6639

68.9944, 69.4818,  
90.6639

446.3329,  
458.7284, 550.8139

50.9838, 51.1042,  
67.9546

116.8077,  
118.4695, 150.2038

36.4167, 36.2915,  
49.3943

147.3411,  
149.8483, 187.8715

24.9278, 24.6594,  
34.5646

182.7794,  
186.3297, 231.3624

16.1517, 15.8235,  
23.0468

223.4880,  
228.2980, 281.0950

9.7231, 9.3993,  
14.4224

269.8324,  
276.1376, 337.4879

5.2766, 5.0026,  
8.2730

322.1777,

2.4469, 2.2488,

330.2330, 400.9597

4.1798

380.8894,  
390.9684, 471.9288

■ 0.8685, 0.7464,  
1.7245

■ 0.0000, 0.0000,  
0.3775

■ 68.9944, 69.4818,  
90.6639

■ 68.9944, 69.4818,  
90.6639

■ 58.2884, 55.6663,  
88.5626

■ 81.1616, 85.3607,  
93.0886

■ 48.9813, 43.8201,  
86.7666

■ 92.4328, 98.9531,  
95.1182

■ 41.0154, 33.8547,  
85.2629

■ 34.3267, 25.6716,  
84.0359

■ 28.8454, 19.1630,  
83.0685

■ 24.4948, 14.2090,  
82.3416

■ 21.1887, 10.6735,  
81.8335

■ 18.8268, 8.3956,  
81.5183

■ 17.2650, 7.1177,  
81.3539

# Harmonies

## Analogous

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



66.0973, 69.4818, 93.2579



68.9944, 69.4818, 90.6639



71.1520, 69.4818, 83.9978

# Triad

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



68.9944, 69.4818, 90.6639



68.8929, 69.4818, 62.2560



60.4806, 69.4818, 75.8170

# Complementary

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



68.9944, 69.4818, 90.6639



75.9933, 83.1618, 75.6682

# 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.



61.1796, 69.4818, 67.8817



68.9944, 69.4818, 90.6639



65.9835, 69.4818, 60.4175

# Square

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



68.9944, 69.4818, 90.6639



71.0922, 69.4818, 67.6193



63.1719, 69.4818, 62.3993



61.2337, 69.4818, 84.3009



# Rectangle

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



68.9944, 69.4818, 90.6639



71.8493, 69.4818, 78.3716



63.1719, 69.4818, 62.3993



60.5533, 69.4818, 72.9997

# Sweetspot

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



68.9965, 69.4847, 90.6654



90.5782, 94.1437, 108.0053



72.1358, 78.4100, 92.2227



19.1374, 19.8238, 23.0677



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.



68.9965, 69.4847, 90.6654



78.1074, 77.9103, 105.5292



72.6304, 71.3581, 90.8355



15.2674, 15.4195, 19.8932



9.7313, 4.0221, 45.3913



0.8977, 0.3800, 3.7803



# Inverse Universe

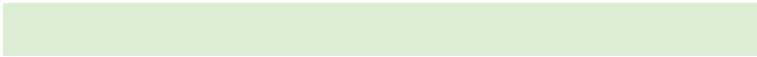
The Inverse Universe completely reimagines the original color for something new.



73.8743, 72.0995, 86.3702



84.8463, 81.5238, 99.5451



72.3508, 81.2840, 75.4977



16.2756, 15.9600, 19.0077



24.2384, 11.9678, 24.9696

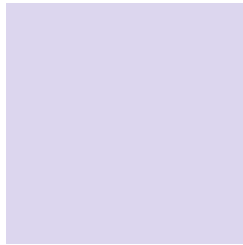


2.0558, 1.0114, 2.2849



# Previews

## White Background



This preview shows how the XYZ color 68.9944, 69.4818, 90.6639 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 68.9944, 69.4818, 90.6639 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

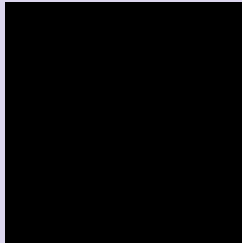
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 68.9944, 69.4818, 90.6639**

## **Background**



This preview shows how black text looks on a background with the XYZ color 68.9944, 69.4818, 90.6639.



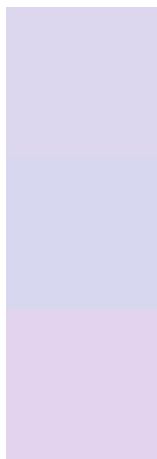
This preview shows how white text looks on a background with the XYZ color 68.9944, 69.4818,



# 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

68.9944, 69.4818, 90.6639

### Protanopia

68.1602, 69.7908, 91.5399

### Deuteranopia

70.8692, 69.3145, 91.3052



## Tritanopia

68.0793, 69.4871, 86.1681

# Trichromacy



## Original Color

68.9944, 69.4818, 90.6639

## Protanomaly

68.4957, 69.5846, 91.4824

## Deuteranomaly

70.1748, 69.3265, 91.3441

## Tritanomaly

68.3651, 69.6015, 87.6731

# Monochromacy



## Original Color

68.9944, 69.4818, 90.6639

## Achromatopsia

67.3311, 70.8376, 77.1421

## Achromatomaly

67.7537, 70.1768, 81.9260

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 68.9944, 69.4818, 90.6639 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, 214, 238)` looks like.

```
.text, #text, p{  
    color:rgb(220, 214, 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, 214, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 214, 238) }
```

## Border

The CSS property to change the border of an element to XYZ 68.9944, 69.4818, 90.6639 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, 214, 238) }
```



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

```
.border{ border-color:rgb(220, 214, 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, 214, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 214, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 214, 238);  
box-shadow:4px 4px 4px 4px rgb(220, 214,  
238) }
```

# Background

The CSS property to change the background color of an element to XYZ 68.9944, 69.4818, 90.6639 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 214, 238) }
```

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

```
.background{ background-color: rgb(220,  
214, 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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