

Converting Colors

XYZ(68.3461, 68.2360, 90.7702)

Have a look what the booklet for
XYZ(68.3461, 68.2360, 90.7702)
contains.

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Color

**XYZ(68.4913, 68.4757,
90.4962)**

Conversions

Conversions Part 1

Format	Color
Hex	DCD4EE
RGB	220, 212, 238
RGB Percent	86%, 83%, 93%
CMY	0.1372, 0.1686, 0.0667
CMYK	0.08, 0.11, 0.00, 0.07
HSL	258°, 43%, 88%
HSV	258°, 11%, 93%
XYZ	68.4913, 68.4757, 90.4962
YIQ	217.3560, -3.5780, 9.7820

Conversions

Conversions Part 2

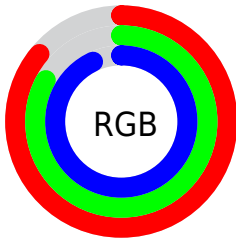
Format	Color
R _Y B	220, 212, 238
Decimal	14472430
CIE Lab	86.24, 7.56, -11.76
CIE LCh	86, 13.980, 302.737
Yxy	68.4757, 0.3011, 0.3010
Android (android.graphics.Color)	4292662510 (0xFFD4CD4EE)
YUV	217.3560, 10.1775, 2.3188
Hunter-Lab	82.7500, 2.9299, -6.9150

Details

The XYZ color **68.4913, 68.4757, 90.4962** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **75.0939, 82.7274, 74.3009**, and the grayscale version is **66.1334, 69.5774, 75.7698**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.0175, 35.4907, 49.2080** is the 20% darker color. If you saturate the color by 10%, you get **58.2311, 54.9973, 88.4364**, and if you desaturate by 10%, it is **80.1242, 83.9673, 92.8743**.

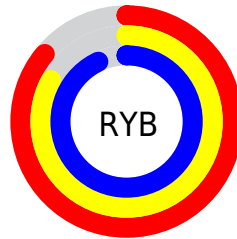
Distribution



Red (86%)

Green (83%)

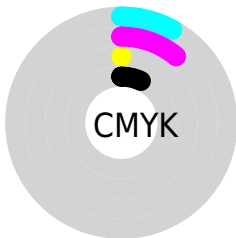
Blue (93%)



Red (86%)

Yellow (83%)

Blue (93%)

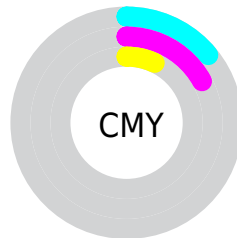


Cyan (8%)

Magenta (11%)

Yellow (0%)

Black (7%)



Cyan (14%)

Magenta (17%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.4913, 68.4757, 90.4962 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 68.4913, 68.4757, 90.4962 by changing the saturation by 10% instead.

68.4913, 68.4757,
90.4962

68.4913, 68.4757,
90.4962

444.5842,
455.1796, 550.2553

50.5727, 50.2848,
67.8162

116.0928,
117.0324, 149.9690

36.0883, 35.6398,
49.2825

146.5063,
148.1670, 187.5989

24.6728, 24.1561,
34.4764

181.8155,
184.3851, 231.0492

15.9609, 15.4495,
22.9795

222.3858,
226.0708, 280.7384

9.5872, 9.1354,
14.3732

268.5824,
273.6088, 337.0851

5.1863, 4.8296,
8.2390

320.7708,

2.3928, 2.1476,

327.3833, 400.5078

4.1583

379.3163,
387.7788, 471.4250

■ 0.8415, 0.6912,
1.7126

■ 0.0000, 0.0000,
0.3693

■ 68.4913, 68.4757,
90.4962

■ 68.4913, 68.4757,
90.4962

■ 58.2311, 54.9973,
88.4364

■ 80.1242, 83.9673,
92.8743

■ 49.2851, 43.4395,
86.6771

■ 91.6862, 98.5682,
95.0832

■ 41.5994, 33.7156,
85.2052

■ 92.4328, 98.9531,
95.1181

■ 35.1141, 25.7286,
84.0054

■ 29.7638, 19.3724,
83.0605

■ 25.4766, 14.5287,
82.3516

■ 22.1712, 11.0629,
81.8568

■ 19.7528, 8.8149,
81.5504

■ 18.1965, 7.5978,
81.3975

Harmonies

Analogous

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



65.3803, 68.4757, 93.7166



68.4913, 68.4757, 90.4962



70.7464, 68.4757, 82.9823

Triad

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



68.4913, 68.4757, 90.4962



67.9626, 68.4757, 59.8763



59.0915, 68.4757, 75.4087

Complementary

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



68.4913, 68.4757, 90.4962



75.0939, 82.7274, 74.3009

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.



59.7323, 68.4757, 66.7248



68.4913, 68.4757, 90.4962



64.7888, 68.4757, 58.2071

Square

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



68.4913, 68.4757, 90.4962



70.4341, 68.4757, 65.3714



61.7918, 68.4757, 60.6111



60.0121, 68.4757, 84.5681

Rectangle

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



68.4913, 68.4757, 90.4962



71.4233, 68.4757, 76.8233



61.7918, 68.4757, 60.6111



59.1315, 68.4757, 72.3384

Sweetspot

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



68.4933, 68.4786, 90.4977



90.7360, 94.2250, 108.0127



70.9389, 76.8774, 91.9899



19.1799, 19.8456, 23.0697



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.



68.4933, 68.4786, 90.4977



77.4255, 76.5466, 105.3020



72.5173, 70.5530, 90.6860



15.3546, 15.4645, 19.8973



10.2675, 4.2985, 45.4164



0.9520, 0.4081, 3.7828

Inverse Universe

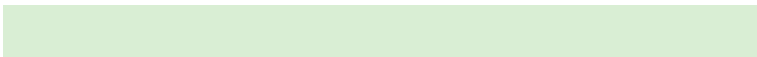
The Inverse Universe completely reimagines the original color for something new.



73.0887, 70.9804, 84.7148



83.7728, 80.0034, 97.2554



71.1353, 80.6867, 74.1156



16.2352, 15.9438, 18.7946



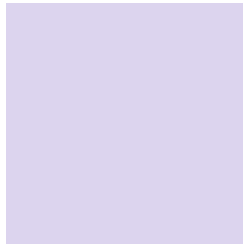
23.5103, 11.6765, 21.1355



2.0001, 0.9891, 1.9914

Previews

White Background



This preview shows how the XYZ color 68.4913, 68.4757, 90.4962 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 68.4913, 68.4757, 90.4962 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

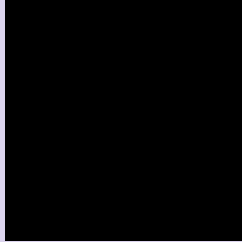
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.4913, 68.4757, 90.4962

Background



This preview shows how black text looks on a background with the XYZ color 68.4913, 68.4757, 90.4962.



This preview shows how white text looks on a background with the XYZ color 68.4913, 68.4757,

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

68.4913, 68.4757, 90.4962

Protanopia

67.0671, 68.4713, 91.3428

Deuteranopia

69.8432, 68.4350, 90.4171



Tritanopia

67.2906, 68.3617, 84.5115

Trichromacy



Original Color

68.4913, 68.4757, 90.4962

Protanomaly

67.6931, 68.4194, 91.2998

Deuteranomaly

69.4674, 68.6089, 90.4704

Tritanomaly

67.7156, 68.5318, 86.7497

Monochromacy



Original Color

68.4913, 68.4757, 90.4962

Achromatopsia

65.9525, 69.3872, 75.5626

Achromatomaly

66.8045, 68.9425, 81.0204

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.4913, 68.4757, 90.4962 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, 212, 238) looks like.

```
.text, #text, p{  
    color:rgb(220, 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(220, 212, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 212, 238) }
```

Border

The CSS property to change the border of an element to XYZ 68.4913, 68.4757, 90.4962 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, 212, 238) }
```


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

```
.border{ border-color:rgb(220, 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(220, 212, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 212, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 212, 238);  
box-shadow:4px 4px 4px 4px rgb(220, 212,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 68.4913, 68.4757, 90.4962 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 212, 238) }
```

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

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