

Converting Colors

XYZ(38.5937, 27.5698, 35.7118)

Have a look what the booklet for
XYZ(38.5937, 27.5698, 35.7118)
contains.

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Color

**XYZ(38.7200, 27.6864,
35.6510)**

Conversions

Conversions Part 1

Format	Color
Hex	D36F9E
RGB	211, 111, 158
RGB Percent	83%, 44%, 62%
CMY	0.1725, 0.5647, 0.3804
CMYK	0.00, 0.47, 0.25, 0.17
HSL	332°, 53%, 63%
HSV	332°, 47%, 83%
XYZ	38.7200, 27.6864, 35.6510
YIQ	146.2580, 44.5130, 35.8170

Conversions

Conversions Part 2

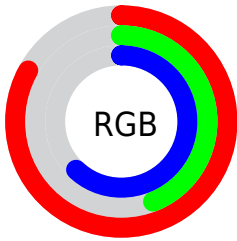
Format	Color
R _Y B	211, 111, 158
Decimal	13856670
CIE Lab	59.60, 44.77, -7.50
CIE LCh	60, 45.397, 350.496
Yxy	27.6864, 0.3794, 0.2713
Android (android.graphics.Color)	4292046750 (0xFFD36F9E)
YUV	146.2580, 5.7888, 56.7787
Hunter-Lab	52.6179, 39.2718, -3.3392

Details

The XYZ color **38.7200, 27.6864, 35.6510** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **36.5520, 52.6492, 43.3604**, and the grayscale version is **27.3925, 28.8190, 31.3839**.

A 20% lighter version of the original color is **66.7054, 52.9744, 69.6601**, and **17.5442, 11.0595, 15.1199** is the 20% darker color. If you saturate the color by 10%, you get **35.7644, 23.2462, 30.1306**, and if you desaturate by 10%, it is **42.3085, 33.2517, 41.8152**.

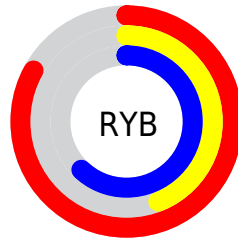
Distribution



Red (83%)

Green (44%)

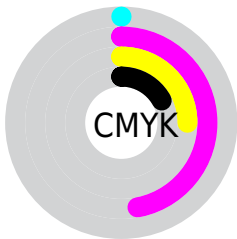
Blue (62%)



Red (83%)

Yellow (44%)

Blue (62%)

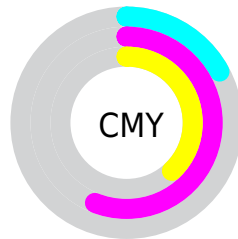


Cyan (0%)

Magenta (47%)

Yellow (25%)

Black (17%)



Cyan (17%)


Magenta (56%)


Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.7200, 27.6864, 35.6510 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 38.7200, 27.6864, 35.6510 by changing the saturation by 10% instead.


 38.7200, 27.6864,
35.6510


 38.7200, 27.6864,
35.6510

331.9263,
290.9654, 342.4237

 26.7217, 18.0894,
23.8772


 72.5072, 55.9834,
69.6560


 17.4998, 11.0142,
15.0312


 95.0268, 75.4521,
92.7243

 10.6890, 6.0764,
8.6944


 121.7843, 98.9803,
120.3946

 5.9239, 2.8916,
4.4483

 153.1449,
126.9522, 153.0853

 2.8391, 1.0754,
1.8744

189.4740,
159.7522, 191.2151

 1.0692, 0.0000,
0.4764

231.1371,

 0.0000, 0.0000,

197.7649, 235.2023

0.0000

278.4994,
241.3744, 285.4657

■ 38.7200, 27.6864,
35.6510

■ 38.7200, 27.6864,
35.6510

■ 35.7644, 23.2462,
30.1306

■ 42.3085, 33.2517,
41.8152

■ 33.3982, 19.8485,
25.2271

■ 46.5648, 40.0092,
48.6451

■ 31.5757, 17.4055,
20.9137

■ 51.5241, 48.0253,
56.1632

■ 30.2427, 15.8131,
17.1598

■ 57.2182, 57.3605,
64.3905

■ 29.3263, 14.9294,
13.9279

■ 63.6770, 68.0713,
73.3468

■ 29.1241, 14.7530,
13.1583

■ 70.9286, 80.2107,
83.0511

■ 77.8060, 91.4417,
93.1239

■ 79.4851, 92.1134,
101.9662

■ 80.6741, 92.5890,
108.2272

Harmonies

Analogous

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



35.7452, 27.6864, 54.9476



38.7200, 27.6864, 35.6510



38.0189, 27.6864, 20.4079

Triad

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



38.7200, 27.6864, 35.6510



22.6492, 27.6864, 9.2213



19.9209, 27.6864, 61.5622

Complementary

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



38.7200, 27.6864, 35.6510



36.5520, 52.6492, 43.3604

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.



17.2996, 27.6864, 42.5732



38.7200, 27.6864, 35.6510



18.7091, 27.6864, 14.2212

Square

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



38.7200, 27.6864, 35.6510



28.1730, 27.6864, 8.5304



16.8906, 27.6864, 25.2387



24.5407, 27.6864, 73.1005

Rectangle

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



38.7200, 27.6864, 35.6510



35.5953, 27.6864, 13.9696



16.8906, 27.6864, 25.2387



18.8068, 27.6864, 55.5733

Sweetspot

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



38.7208, 27.6878, 35.6515



81.8015, 78.1404, 90.1876



32.4797, 23.8250, 64.5152



17.1161, 16.0838, 18.7289



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.



38.7208, 27.6878, 35.6515



54.8102, 35.5493, 46.0717



35.6023, 26.7341, 18.3243



12.0367, 11.8994, 13.4689



17.6272, 8.9237, 8.2090



1.0255, 0.5149, 0.6693

Inverse Universe

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



38.7208, 27.6878, 35.6515



54.8102, 35.5493, 46.0717



41.1967, 53.8480, 69.8508



12.0367, 11.8994, 13.4689



17.6272, 8.9237, 8.2090



1.0255, 0.5149, 0.6693

Previews

White Background



This preview shows how the XYZ color 38.7200, 27.6864, 35.6510 looks on a white background.

Color Contrast Check

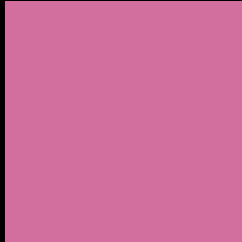
Large Text (above 18pt) WCAG AA ✓ Pass

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 38.7200, 27.6864, 35.6510 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

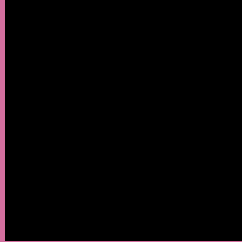
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 38.7200, 27.6864, 35.6510

Background



This preview shows how black text looks on a background with the XYZ color 38.7200, 27.6864, 35.6510.



This preview shows how white text looks on a background with the XYZ color 38.7200, 27.6864,

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

38.7200, 27.6864, 35.6510

Protanopia

28.1125, 28.1338, 46.5965

Deuteranopia

28.4543, 27.9261, 34.0276



Tritanopia

36.1396, 27.6388, 23.1687

Trichromacy



Original Color

38.7200, 27.6864, 35.6510

Protanomaly

30.5712, 26.9594, 42.1205

Deuteranomaly

31.4458, 27.1810, 34.5994

Tritanomaly

37.0127, 27.6518, 27.4313

Monochromacy



Original Color

38.7200, 27.6864, 35.6510

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

30.4701, 27.5231, 32.5607

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.7200, 27.6864, 35.6510 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(211, 111, 158)` looks like.

```
.text, #text, p{  
    color:rgb(211, 111, 158)  
}
```

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(211, 111, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 111, 158) }
```

Border

The CSS property to change the border of an element to XYZ 38.7200, 27.6864, 35.6510 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(211, 111, 158) }
```


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

```
.border{ border-color:rgb(211, 111, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 111, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 111, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 111, 158);  
box-shadow:4px 4px 4px 4px rgb(211, 111,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 38.7200, 27.6864, 35.6510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 111, 158) }
```

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

```
.background{ background-color: rgb(211,  
111, 158) }
```

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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