

Converting Colors

XYZ(50.9677, 36.4664, 80.7054)

Have a look what the booklet for
XYZ(50.9677, 36.4664, 80.7054)
contains.

XYZ(50.8670, 36.3904, 80.6870)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(50.8670, 36.3904,
80.6870)**

Conversions

Conversions Part 1

Format	Color
Hex	D882E8
RGB	216, 130, 232
RGB Percent	85%, 51%, 91%
CMY	0.1529, 0.4902, 0.0902
CMYK	0.07, 0.44, 0.00, 0.09
HSL	291°, 69%, 71%
HSV	291°, 44%, 91%
XYZ	50.8670, 36.3904, 80.6870
YIQ	167.3420, 18.5140, 49.9540

Conversions

Conversions Part 2

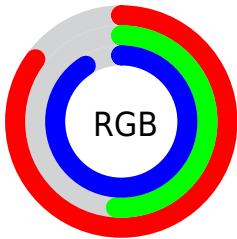
Format	Color
R _Y B	216, 130, 232
Decimal	14189288
CIE Lab	66.82, 48.98, -38.20
CIE LCh	67, 62.111, 322.049
Yxy	36.3904, 0.3029, 0.2167
Android (android.graphics.Color)	4292379368 (0xFFD882E8)
YUV	167.3420, 31.8764, 42.6731
Hunter-Lab	60.3245, 44.9476, -37.0762

Details

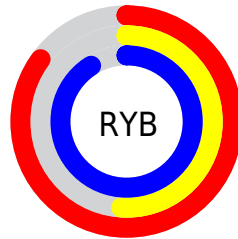
The XYZ color **50.8670, 36.3904, 80.6870** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **44.7412, 65.4368, 31.3933**, and the grayscale version is **36.7415, 38.6549, 42.0952**.

A 20% lighter version of the original color is **76.6390, 63.1779, 102.7630**, and **24.7884, 15.8133, 42.8201** is the 20% darker color. If you saturate the color by 10%, you get **47.0590, 30.3519, 79.7227**, and if you desaturate by 10%, it is **55.3970, 43.8355, 81.8858**.

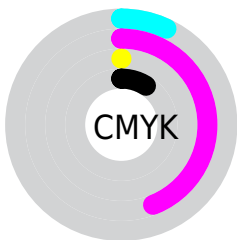
Distribution



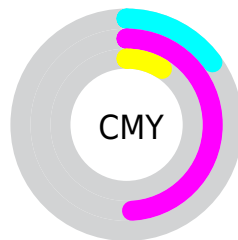
- Red (85%)
- Green (51%)
- Blue (91%)



- Red (85%)
- Yellow (51%)
- Blue (91%)



- Cyan (7%)
- Magenta (44%)
- Yellow (0%)
- Black (9%)





- Cyan (15%)
- Magenta (49%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.8670, 36.3904, 80.6870 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 50.8670, 36.3904, 80.6870 by changing the saturation by 10% instead.


 50.8670, 36.3904,
80.6870

 50.8670, 36.3904,
80.6870

380.4430,
330.6637, 517.0128


 36.3234, 24.7359,
59.7544

 90.6423, 69.6342,
136.1513

 24.8553, 15.8804,
42.7967


 116.6047, 91.9923,
171.5200

 16.0975, 9.4395,
29.3954


 147.1041,
118.6870, 212.5379

 9.6844, 5.0290,
19.1320

182.5058,
150.1027, 259.6234

 5.2509, 2.2643,
11.5879

223.1752,
186.6238, 313.1951

 2.4315, 0.7547,
6.3446

269.4776,

 0.8608, 0.0000,

228.6348, 373.6715

2.9836

321.7784,
276.5199, 441.4712

■ 0.0000, 0.0000,
1.0863

■ 0.0000, 0.0000,
0.0000

■ 50.8670, 36.3904,
80.6870

■ 50.8670, 36.3904,
80.6870

■ 47.0590, 30.3519,
79.7227

■ 55.3970, 43.8355,
81.8858

■ 43.9216, 25.6207,
78.9748


■ 60.6882, 52.7684,
83.3312


■ 41.4028, 22.0916,
78.4264


■ 66.7816, 63.2698,
85.0370


■ 39.4408, 19.6414,
78.0569


■ 73.7138, 75.4130,
87.0155


 37.9603, 18.1198,
77.8412


 81.5195, 89.2668,
89.2782

 37.2290, 17.5097,
77.7620

 85.5307, 95.4951,
90.2689

 86.7639, 96.1309,
90.3266

 88.0219, 96.7794,
90.3855

 89.3049, 97.4408,
90.4456

Harmonies

Analogous

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



41.8178, 36.3904, 109.4663



50.8670, 36.3904, 80.6870



55.7270, 36.3904, 47.2146

Triad

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



50.8670, 36.3904, 80.6870



37.1461, 36.3904, 7.3069



20.4077, 36.3904, 62.3752

Complementary

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



50.8670, 36.3904, 80.6870



44.7412, 65.4368, 31.3933

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.



19.6115, 36.3904, 32.8921



50.8670, 36.3904, 80.6870



28.2435, 36.3904, 8.4235

Square

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



50.8670, 36.3904, 80.6870



46.9217, 36.3904, 11.2368



22.2155, 36.3904, 15.5721



24.6305, 36.3904, 95.9789

Rectangle

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



50.8670, 36.3904, 80.6870



55.4195, 36.3904, 29.7800



22.2155, 36.3904, 15.5721



19.7654, 36.3904, 51.4260

Sweetspot

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



50.8683, 36.3920, 80.6878



83.4842, 79.6700, 105.5855



34.2066, 31.4412, 80.6104



17.4872, 16.3891, 22.4917



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.



50.8683, 36.3920, 80.6878



58.6146, 38.0755, 98.8677



51.4555, 37.1998, 57.8956



14.7614, 14.4947, 18.1641



20.7562, 9.7661, 43.1742



1.5938, 0.7526, 3.1932

Inverse Universe

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



46.4508, 35.1979, 31.5414



52.7499, 36.5815, 29.4994



44.7646, 65.1403, 45.3376



14.4687, 14.4047, 15.4026



18.6846, 9.6081, 1.9683



1.4091, 0.7213, 0.2947

Previews

White Background



This preview shows how the XYZ color 50.8670, 36.3904, 80.6870 looks on a white background.

Color Contrast Check

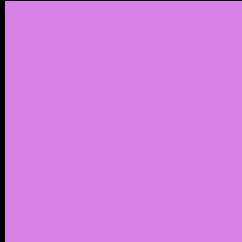
Large Text (above 18pt) WCAG AA × Fail

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 50.8670, 36.3904, 80.6870 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

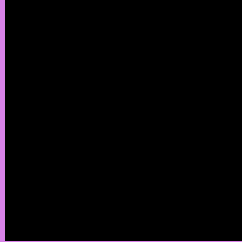
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.8670, 36.3904, 80.6870

Background



This preview shows how black text looks on a background with the XYZ color 50.8670, 36.3904, 80.6870.



This preview shows how white text looks on a background with the XYZ color 50.8670, 36.3904,

80.6870.

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

50.8670, 36.3904, 80.6870

Protanopia

39.5229, 36.9508, 99.6569

Deuteranopia

37.6277, 36.7315, 77.0582



Tritanopia

42.0589, 36.4579, 37.1681

Trichromacy



Original Color

50.8670, 36.3904, 80.6870



Protanomaly

42.0332, 35.6839, 92.6680



Deuteranomaly

41.2721, 35.8491, 78.1431



Tritanomaly

44.8602, 36.2542, 50.5323

Monochromacy



Original Color

50.8670, 36.3904, 80.6870



Achromatopsia

36.7301, 38.6429, 42.0822



Achromatomaly

40.9672, 37.1871, 54.3088

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.8670, 36.3904, 80.6870 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, 130, 232)` looks like.

```
.text, #text, p{  
    color:rgb(216, 130, 232)  
}
```

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, 130, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 130, 232) }
```

Border

The CSS property to change the border of an element to XYZ 50.8670, 36.3904, 80.6870 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, 130, 232) }
```


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

```
.border{ border-color:rgb(216, 130, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 130, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 130, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 130, 232);  
box-shadow:4px 4px 4px 4px rgb(216, 130,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 50.8670, 36.3904, 80.6870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 130, 232) }
```

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

```
.background{ background-color: rgb(216,  
130, 232) }
```

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