

Converting Colors

XYZ(30.9388, 23.0988, 16.0903)

Have a look what the booklet for
XYZ(30.9388, 23.0988, 16.0903)
contains.

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Color

**XYZ(30.8901, 23.1288,
16.2008)**

Conversions

Conversions Part 1

Format	Color
Hex	C66969
RGB	198, 105, 105
RGB Percent	78%, 41%, 41%
CMY	0.2235, 0.5882, 0.5882
CMYK	0.00, 0.47, 0.47, 0.22
HSL	0°, 45%, 59%
HSV	0°, 47%, 78%
XYZ	30.8901, 23.1288, 16.2008
YIQ	132.8070, 55.4280, 19.7160

Conversions

Conversions Part 2

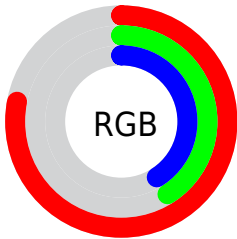
Format	Color
RYB	198, 105, 105
Decimal	13003113
CIELab	55.20, 36.85, 16.79
CIELCh	55, 40.493, 24.492
Yxy	23.1288, 0.4399, 0.3294
Android (android.graphics.Color)	4291193193 (0xFFC66969)
YUV	132.8070, -13.7089, 57.1743
Hunter-Lab	48.0924, 30.4901, 13.6918

Details

The XYZ color **30.8901, 23.1288, 16.2008** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **36.2118, 47.4665, 60.6795**, and the grayscale version is **22.2589, 23.4181, 25.5023**.

A 20% lighter version of the original color is **59.4676, 48.1140, 37.6051**, and **12.8981, 8.5193, 4.9676** is the 20% darker color. If you saturate the color by 10%, you get **28.2012, 19.1944, 10.8547**, and if you desaturate by 10%, it is **34.2866, 28.0991, 22.9520**.

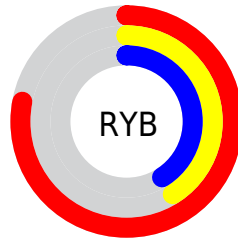
Distribution



Red (78%)

Green (41%)

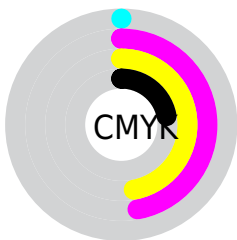
Blue (41%)



Red (78%)

Yellow (41%)

Blue (41%)

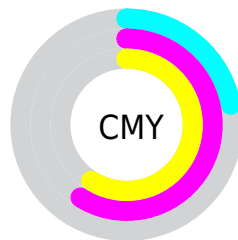


Cyan (0%)

Magenta (47%)

Yellow (47%)

Black (22%)



Cyan (22%)


Magenta (59%)


Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.8901, 23.1288, 16.2008 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 30.8901, 23.1288, 16.2008 by changing the saturation by 10% instead.


 30.8901, 23.1288,
16.2008


 30.8901, 23.1288,
16.2008

297.8676,
268.3858, 242.4097


 20.6666, 14.6886,
9.5105


 60.4440, 48.6047,
37.7181

 12.9916, 8.6012,
4.9743


 80.5051, 66.4093,
53.3821

 7.4997, 4.4820,
2.1737


 104.5762, 88.1041,
72.8745

 3.8256, 1.9467,
0.6591

 133.0225,
114.0736, 96.6136

 1.6040, 0.5762,
0.0000

166.2095,
144.7021, 125.0182

 0.3950, 0.0000,
0.0000

204.5024,

 0.0000, 0.0000,

180.3740, 158.5067

0.0000

248.2667,
221.4738, 197.4977

■ 30.8901, 23.1288,
16.2008

■ 30.8901, 23.1288,
16.2008

■ 28.2012, 19.1944,
10.8547

■ 34.2866, 28.0991,
22.9520

■ 26.1683, 16.2196,
6.8136

■ 38.4337, 34.1676,
31.1963

■ 24.7358, 14.1234,
3.9661


■ 43.3734, 41.3958,
41.0162


■ 23.8381, 12.8098,
2.1818


■ 49.1439, 49.8396,
52.4877


■ 23.3868, 12.1494,
1.2848

■ 55.7809, 59.5514,
65.6818

 23.2888, 12.0060,
1.0899

 63.3180, 70.5803,
80.6656

 71.7872, 82.9731,
97.5023

 77.0987, 90.7458,
108.0599

Harmonies

Analogous

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



31.8313, 23.1288, 27.6516



30.8901, 23.1288, 16.2008



27.4341, 23.1288, 9.8572

Triad

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



30.8901, 23.1288, 16.2008



15.6337, 23.1288, 13.3056



21.1586, 23.1288, 59.0224

Complementary

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



30.8901, 23.1288, 16.2008



36.2118, 47.4665, 60.6795

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.



17.3069, 23.1288, 51.4026



30.8901, 23.1288, 16.2008



14.4099, 23.1288, 22.8665

Square

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



30.8901, 23.1288, 16.2008



18.5697, 23.1288, 8.6320



14.9777, 23.1288, 36.9911



25.7913, 23.1288, 55.3480

Rectangle

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



30.8901, 23.1288, 16.2008



24.3927, 23.1288, 7.9945



14.9777, 23.1288, 36.9911



19.7379, 23.1288, 57.6357

Sweetspot

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



30.8907, 23.1300, 16.2012



79.4761, 77.2110, 77.9395



38.5334, 26.1863, 56.4496



16.5556, 15.8597, 15.7767



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.



30.8907, 23.1300, 16.2012



49.9929, 34.0685, 19.3286



36.9859, 35.3203, 18.2329



10.6339, 10.6370, 11.0554



15.1453, 7.8078, 0.7088



0.7171, 0.3697, 0.0336

Inverse Universe

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



36.2118, 47.4665, 60.6795



60.5152, 82.1932, 107.2831



27.1661, 29.3751, 57.6642



10.9467, 12.0675, 13.6698



19.7600, 28.9140, 39.2839



0.9357, 1.3691, 1.8601

Previews

White Background



This preview shows how the XYZ color 30.8901, 23.1288, 16.2008 looks on a white background.

Color Contrast Check

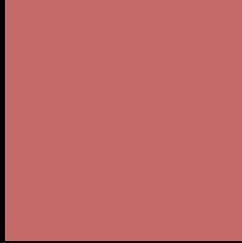
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.8901, 23.1288, 16.2008 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 30.8901, 23.1288, 16.2008

Background



This preview shows how black text looks on a background with the XYZ color 30.8901, 23.1288, 16.2008.



This preview shows how white text looks on a background with the XYZ color 30.8901, 23.1288,

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

30.8901, 23.1288, 16.2008

Protanopia

22.0025, 23.2138, 20.4606

Deuteranopia

23.6486, 23.1862, 15.5409



Tritanopia

31.1083, 23.0541, 17.8492

Trichromacy



Original Color

30.8901, 23.1288, 16.2008

Protanomaly

24.4374, 22.5849, 18.6941

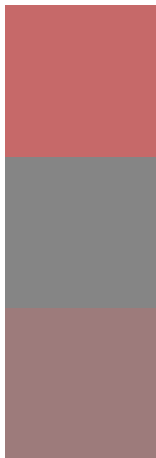
Deuteranomaly

25.7897, 22.8109, 15.6140

Tritanomaly

30.9993, 23.0105, 17.2756

Monochromacy



Original Color

30.8901, 23.1288, 16.2008

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

24.5627, 22.7641, 21.8382

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.8901, 23.1288, 16.2008 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(198, 105, 105)` looks like.

```
.text, #text, p{  
    color:rgb(198, 105, 105)  
}
```

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(198, 105, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 105, 105) }
```

Border

The CSS property to change the border of an element to XYZ 30.8901, 23.1288, 16.2008 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(198, 105, 105) }
```


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

```
.border{ border-color:rgb(198, 105, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 105, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 105, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 105, 105);  
box-shadow:4px 4px 4px 4px rgb(198, 105,  
105) }
```

Background

The CSS property to change the background color of an element to XYZ 30.8901, 23.1288, 16.2008 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 105, 105) }
```

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

```
.background{ background-color: rgb(198,  
105, 105) }
```

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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