

Converting Colors

XYZ(30.2278, 22.2957, 16.3667)

Have a look what the booklet for
XYZ(30.2278, 22.2957, 16.3667)
contains.

XYZ(30.3788, 22.4137, 16.3608)	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(30.3788, 22.4137,
16.3608)**

Conversions

Conversions Part 1

Format	Color
Hex	C5666A
RGB	197, 102, 106
RGB Percent	77%, 40%, 42%
CMY	0.2275, 0.6000, 0.5843
CMYK	0.00, 0.48, 0.46, 0.23
HSL	357°, 45%, 59%
HSV	357°, 48%, 77%
XYZ	30.3788, 22.4137, 16.3608
YIQ	130.8610, 55.3360, 21.3840

Conversions

Conversions Part 2

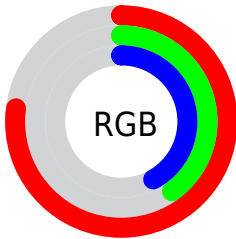
Format	Color
RYB	197, 102, 106
Decimal	12936810
CIELab	54.46, 38.14, 15.16
CIELCh	54, 41.041, 21.679
Yxy	22.4137, 0.4393, 0.3241
Android (android.graphics.Color)	4291126890 (0xFFC5666A)
YUV	130.8610, -12.2565, 58.0039
Hunter-Lab	47.3431, 31.6882, 12.6508

Details

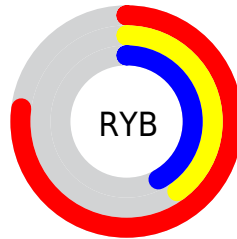
The XYZ color **30.3788, 22.4137, 16.3608** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **35.0725, 46.6079, 57.6027**, and the grayscale version is **21.5530, 22.6754, 24.6935**.

A 20% lighter version of the original color is **59.0471, 47.1370, 37.8845**, and **12.6207, 8.1724, 5.0499** is the 20% darker color. If you saturate the color by 10%, you get **27.7919, 18.6414, 11.1779**, and if you desaturate by 10%, it is **33.6429, 27.1947, 22.8352**.

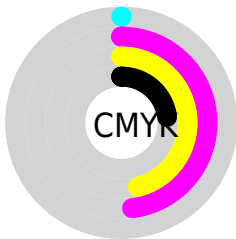
Distribution



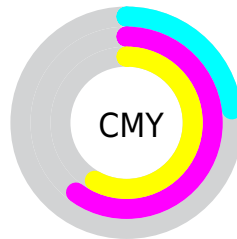
- Red (77%)
- Green (40%)
- Blue (42%)



- Red (77%)
- Yellow (40%)
- Blue (42%)



- Cyan (0%)
- Magenta (48%)
- Yellow (46%)
- Black (23%)





- Cyan (23%)
- Magenta (60%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.3788, 22.4137, 16.3608 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 30.3788, 22.4137, 16.3608 by changing the saturation by 10% instead.


 30.3788, 22.4137,
16.3608


 30.3788, 22.4137,
16.3608


295.5444,
264.6992, 243.3794


 20.2758, 14.1612,
9.6227


 59.6432, 47.4288,
37.9989


 12.7051, 8.2329,
5.0472


 79.5354, 64.9602,
53.7360

 7.3014, 4.2443,
2.2158


 103.4213, 86.3533,
73.3099

 3.6993, 1.8111,
0.6834

 131.6663,
111.9926, 97.1390

 1.5335, 0.4941,
0.0000

164.6357,
142.2625, 125.6420

 0.3484, 0.0000,
0.0000

202.6950,

 0.0000, 0.0000,

177.5472, 159.2374

0.0000

246.2094,
218.2313, 198.3437

■ 30.3788, 22.4137,
16.3608

■ 30.3788, 22.4137,
16.3608

■ 27.7919, 18.6414,
11.1779

■ 33.6429, 27.1947,
22.8352

■ 25.8329, 15.8023,
7.1988

■ 37.6252, 33.0458,
30.6785

■ 24.4489, 13.8162,
4.3268


■ 42.3657, 40.0277,
39.9632


■ 23.5773, 12.5877,
2.4500


■ 47.9009, 48.1954,
50.7565

■ 23.1281, 11.9720,
1.4283

■ 54.2648, 57.6005,
63.1215

 23.0712, 11.8884,
1.3166

 61.4896, 68.2915,
77.1175

 69.6058, 80.3141,
92.8009

 76.8358, 90.6102,
108.0476

Harmonies

Analogous

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



31.0423, 22.4137, 28.1619



30.3788, 22.4137, 16.3608



27.1198, 22.4137, 9.6887

Triad

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



30.3788, 22.4137, 16.3608



15.2210, 22.4137, 12.0566



20.0780, 22.4137, 57.9697

Complementary

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



30.3788, 22.4137, 16.3608



35.0725, 46.6079, 57.6027

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.



16.3847, 22.4137, 49.4066



30.3788, 22.4137, 16.3608



13.8499, 22.4137, 20.9975

Square

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



30.3788, 22.4137, 16.3608



18.2699, 22.4137, 7.8810



14.2438, 22.4137, 34.7290



24.6557, 22.4137, 55.3589

Rectangle

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



30.3788, 22.4137, 16.3608



24.1352, 22.4137, 7.6500



14.2438, 22.4137, 34.7290



18.7025, 22.4137, 56.2192

Sweetspot

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



30.3794, 22.4149, 16.3612



79.6745, 77.2896, 78.9869



36.6315, 24.7743, 55.6742



16.6031, 15.8785, 16.0271



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.



30.3794, 22.4149, 16.3612



49.5068, 32.9957, 19.4767



35.5121, 33.0051, 17.0710



10.6516, 10.6440, 11.1488



15.1828, 7.8227, 0.9068



0.7254, 0.3730, 0.0769

Inverse Universe

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



30.3794, 22.4149, 16.3612



49.5068, 32.9957, 19.4767



27.1555, 30.0510, 57.1922



10.6516, 10.6440, 11.1488



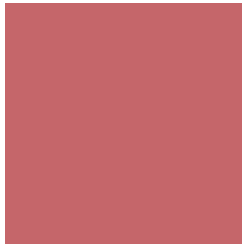
15.1828, 7.8227, 0.9068



0.7254, 0.3730, 0.0769

Previews

White Background



This preview shows how the XYZ color 30.3788, 22.4137, 16.3608 looks on a white background.

Color Contrast Check

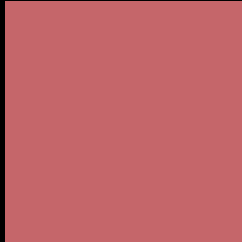
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.3788, 22.4137, 16.3608 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 30.3788, 22.4137, 16.3608

Background



This preview shows how black text looks on a background with the XYZ color 30.3788, 22.4137, 16.3608.



This preview shows how white text looks on a background with the XYZ color 30.3788, 22.4137,

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

30.3788, 22.4137, 16.3608

Protanopia

21.5261, 22.5556, 20.9884

Deuteranopia

22.9960, 22.6533, 15.7309



Tritanopia

30.5376, 22.4772, 17.1970

Trichromacy



Original Color

30.3788, 22.4137, 16.3608

Protanomaly

23.9115, 21.9398, 19.1942

Deuteranomaly

25.1717, 22.1369, 15.7781

Tritanomaly

30.4841, 22.4558, 16.9151

Monochromacy



Original Color

30.3788, 22.4137, 16.3608

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

23.7469, 21.8066, 21.3699

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.3788, 22.4137, 16.3608 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(197, 102, 106)` looks like.

```
.text, #text, p{  
    color:rgb(197, 102, 106)  
}
```

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(197, 102, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 102, 106) }
```

Border

The CSS property to change the border of an element to XYZ 30.3788, 22.4137, 16.3608 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(197, 102, 106) }
```


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

```
.border{ border-color:rgb(197, 102, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 102, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 102, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 102, 106);  
box-shadow:4px 4px 4px 4px rgb(197, 102,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 30.3788, 22.4137, 16.3608 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 102, 106) }
```

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

```
.background{ background-color: rgb(197,  
102, 106) }
```

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