

Converting Colors

XYZ(30.8324, 21.2397, 17.0363)

Have a look what the booklet for
XYZ(30.8324, 21.2397, 17.0363)
contains.

XYZ(30.9446, 21.3150, 16.9512)	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(30.9446, 21.3150,
16.9512)**

Conversions

Conversions Part 1

Format	Color
Hex	CA5C6D
RGB	202, 92, 109
RGB Percent	79%, 36%, 43%
CMY	0.2078, 0.6392, 0.5725
CMYK	0.00, 0.54, 0.46, 0.21
HSL	351°, 51%, 58%
HSV	351°, 54%, 79%
XYZ	30.9446, 21.3150, 16.9512
YIQ	126.8280, 60.1030, 28.6070

Conversions

Conversions Part 2

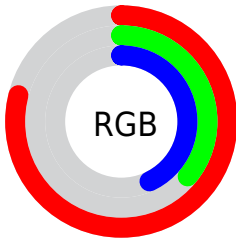
Format	Color
R_{YB}	202, 92, 109
Decimal	13261933
CIE Lab	53.29, 45.29, 11.88
CIE LCh	53, 46.826, 14.695
Yxy	21.3150, 0.4471, 0.3080
Android (android.graphics.Color)	4291452013 (0xFFCA5C6D)
YUV	126.8280, -8.7892, 65.9258
Hunter-Lab	46.1682, 38.8468, 10.5487

Details

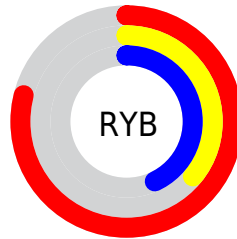
The XYZ color **30.9446, 21.3150, 16.9512** is a dark color, and the websafe version is hex **CC6666**. The color can be described as dark muted rose. A complement of this color would be **34.2924, 48.0197, 53.3636**, and the grayscale version is **20.1293, 21.1776, 23.0624**.

A 20% lighter version of the original color is **57.8640, 44.3558, 38.7695**, and **13.0966, 7.7281, 5.3588** is the 20% darker color. If you saturate the color by 10%, you get **28.5903, 17.9376, 12.0626**, and if you desaturate by 10%, it is **33.9451, 25.6990, 22.9369**.

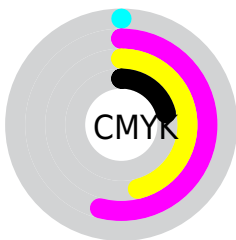
Distribution



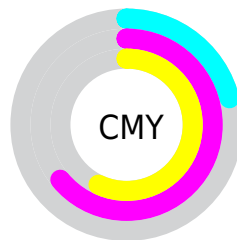
- Red (79%)
- Green (36%)
- Blue (43%)



- Red (79%)
- Yellow (36%)
- Blue (43%)



- Cyan (0%)
- Magenta (54%)
- Yellow (46%)
- Black (21%)





- Cyan (21%)
- Magenta (64%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.9446, 21.3150, 16.9512 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 30.9446, 21.3150, 16.9512 by changing the saturation by 10% instead.

 30.9446, 21.3150,
16.9512


 30.9446, 21.3150,
16.9512


298.1144,
258.9478, 246.9254


 20.7083, 13.3545,
10.0381


 60.5293, 45.6112,
39.0314


 13.0222, 7.6731,
5.3183


 80.6083, 62.7156,
55.0355

 7.5209, 3.8865,
2.3732


 104.6990, 83.6368,
74.9071

 3.8392, 1.6103,
0.7718

 133.1667,
108.7592, 99.0646

 1.6116, 0.3645,
0.0000

166.3768,
138.4670, 127.9267

 0.3999, 0.0000,
0.0000

204.6945,

 0.0000, 0.0000,

173.1448, 161.9118

0.0000

248.4853,
213.1770, 201.4386

■ 30.9446, 21.3150,
16.9512

■ 30.9446, 21.3150,
16.9512

■ 28.5903, 17.9376,
12.0626

■ 33.9451, 25.6990,
22.9369

■ 26.8322, 15.4834,
8.2027

■ 37.6336, 31.1576,
30.0802

■ 25.6155, 13.8610,
5.2968

■ 42.0500, 37.7568,
38.4384

■ 24.8739, 12.9586,
3.2593

■ 47.2310, 45.5565,
48.0647

■ 24.6072, 12.6566,
2.4568

■ 53.2107, 54.6122,
59.0092

■ 60.0209, 64.9761,
71.3190

■ 67.6919, 76.6971,
85.0391

■ 76.2525, 89.8220,
100.2125

■ 78.1671, 91.2965,
108.1099

Harmonies

Analogous

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



30.9098, 21.3150, 31.1824



30.9446, 21.3150, 16.9512



27.8157, 21.3150, 8.8197

Triad

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



30.9446, 21.3150, 16.9512



14.2693, 21.3150, 8.7125



17.8468, 21.3150, 60.7345

Complementary

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



30.9446, 21.3150, 16.9512



34.2924, 48.0197, 53.3636

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.



14.2126, 21.3150, 48.1792



30.9446, 21.3150, 16.9512



12.3883, 21.3150, 16.7248

Square

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



30.9446, 21.3150, 16.9512



17.9369, 21.3150, 5.5547



12.3694, 21.3150, 30.8422



22.7739, 21.3150, 60.8773

Rectangle

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



30.9446, 21.3150, 16.9512



24.6111, 21.3150, 6.2469



12.3694, 21.3150, 30.8422



16.4533, 21.3150, 57.6535

Sweetspot

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



30.9452, 21.3161, 16.9516



78.3223, 74.6485, 78.3409



34.1760, 22.0691, 58.3355



16.3595, 15.3677, 16.0188



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.



30.9452, 21.3161, 16.9516



47.9196, 29.6810, 19.3803



34.0961, 28.9434, 13.9163



11.2818, 11.2415, 12.0186



15.8556, 8.1528, 1.6925



0.8410, 0.4298, 0.2083

Inverse Universe

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



30.9452, 21.3161, 16.9516



47.9196, 29.6810, 19.3803



28.5907, 33.5714, 60.8501



11.2818, 11.2415, 12.0186



15.8556, 8.1528, 1.6925



0.8410, 0.4298, 0.2083

Previews

White Background



This preview shows how the XYZ color 30.9446, 21.3150, 16.9512 looks on a white background.

Color Contrast Check

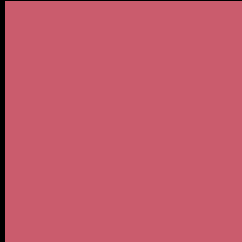
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.9446, 21.3150, 16.9512 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

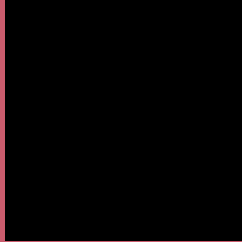
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 30.9446, 21.3150, 16.9512

Background



This preview shows how black text looks on a background with the XYZ color 30.9446, 21.3150, 16.9512.



This preview shows how white text looks on a background with the XYZ color 30.9446, 21.3150,

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

30.9446, 21.3150, 16.9512

Protanopia

20.6261, 21.4569, 23.1332

Deuteranopia

21.7944, 21.4613, 16.0905



Tritanopia

30.3903, 21.3430, 14.5745

Trichromacy



Original Color

30.9446, 21.3150, 16.9512

Protanomaly

23.1178, 20.4586, 20.4998

Deuteranomaly

24.5441, 20.9538, 16.3865

Tritanomaly

30.4499, 21.2255, 15.3240

Monochromacy



Original Color

30.9446, 21.3150, 16.9512

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

22.7339, 20.2607, 20.4818

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.9446, 21.3150, 16.9512 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(202, 92, 109)` looks like.

```
.text, #text, p{  
    color:rgb(202, 92, 109)  
}
```

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(202, 92, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 92, 109) }
```

Border

The CSS property to change the border of an element to XYZ 30.9446, 21.3150, 16.9512 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(202, 92, 109) }
```


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

```
.border{ border-color:rgb(202, 92, 109) }
```

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

Here you see how a box with a 4 pixel rgb(202, 92, 109) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 92, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 92, 109);  
box-shadow:4px 4px 4px 4px rgb(202, 92,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 30.9446, 21.3150, 16.9512 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 92, 109) }
```

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

```
.background{ background-color: rgb(202, 92,  
109) }
```

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