

Converting Colors

XYZ(30.4734, 19.4040, 8.9771)

Have a look what the booklet for
XYZ(30.4734, 19.4040, 8.9771)
contains.

XYZ(30.4673, 19.3923, 8.9748)	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(30.4673, 19.3923,
8.9748)**

Conversions

Conversions Part 1

Format	Color
Hex	D24C4C
RGB	210, 76, 76
RGB Percent	82%, 30%, 30%
CMY	0.1765, 0.7019, 0.7020
CMYK	0.00, 0.64, 0.64, 0.18
HSL	0°, 60%, 56%
HSV	0°, 64%, 82%
XYZ	30.4673, 19.3923, 8.9748
YIQ	116.0660, 79.8640, 28.4080

Conversions

Conversions Part 2

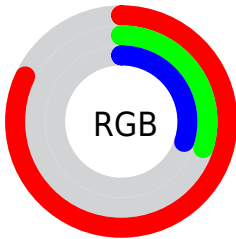
Format	Color
RYB	210, 76, 76
Decimal	13782092
CIELab	51.14, 52.78, 28.72
CIELCh	51, 60.091, 28.555
Yxy	19.3923, 0.5178, 0.3296
Android (android.graphics.Color)	4291972172 (0xFFD24C4C)
YUV	116.0660, -19.7525, 82.3801
Hunter-Lab	44.0367, 46.4331, 18.7422

Details

The XYZ color **30.4673, 19.3923, 8.9748** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **37.6581, 52.2790, 69.0785**, and the grayscale version is **16.6631, 17.5308, 19.0911**.

A 20% lighter version of the original color is **53.0580, 38.9733, 24.1282**, and **12.7637, 6.7109, 1.9891** is the 20% darker color. If you saturate the color by 10%, you get **28.6345, 16.7107, 5.3308**, and if you desaturate by 10%, it is **33.0113, 23.1153, 14.0313**.

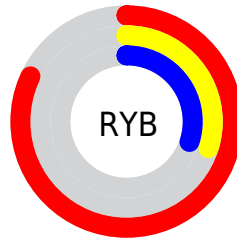
Distribution



Red (82%)

Green (30%)

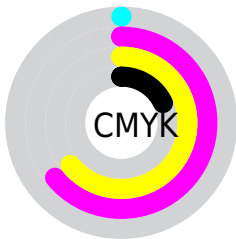
Blue (30%)



Red (82%)

Yellow (30%)

Blue (30%)

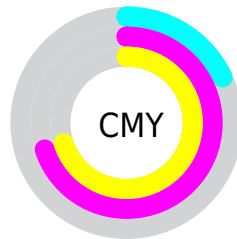


Cyan (0%)

Magenta (64%)

Yellow (64%)

Black (18%)



Cyan (18%)


Magenta (70%)


Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.4673, 19.3923, 8.9748 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 30.4673, 19.3923, 8.9748 by changing the saturation by 10% instead.

 30.4673, 19.3923,
8.9748


 30.4673, 19.3923,
8.9748


295.9475,
248.6060, 193.4009


 20.3434, 11.9541,
4.6282


 59.7820, 42.3960,
24.4254


 12.7546, 6.7124,
1.9759


 79.7034, 58.7302,
36.3664

 7.3356, 3.2829,
0.5404


 103.6215, 78.7985,
51.6760

 3.7211, 1.2812,
0.0000

 131.9014,
102.9854, 70.7727

 1.5456, 0.1265,
0.0000

 164.9086,
131.6752, 94.0749

 0.3565, 0.0000,
0.0000

203.0085,

 0.0000, 0.0000,

165.2523, 122.0014

0.0000

246.5663,
204.1011, 154.9705

■ 30.4673, 19.3923,
8.9748

■ 30.4673, 19.3923,
8.9748

■ 28.6345, 16.7107,
5.3308

■ 33.0113, 23.1153,
14.0313

■ 27.4393, 14.9617,
2.9551

■ 36.3274, 27.9678,
20.6235

■ 26.7949, 14.0188,
1.6744

■ 40.4718, 34.0323,
28.8622

■ 26.5783, 13.7018,
1.2439

■ 45.4948, 41.3825,
38.8478

■ 51.4431, 50.0865,
50.6727

■ 58.3597, 60.2074,
64.4228

■ 66.2852, 71.8046,
80.1785

■ 75.2577, 84.9339,
98.0158

■ 80.3882, 92.4416,
108.2138

Harmonies

Analogous

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



32.4565, 19.3923, 21.9547



30.4673, 19.3923, 8.9748



25.0934, 19.3923, 3.6517

Triad

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



30.4673, 19.3923, 8.9748



10.2694, 19.3923, 8.1874



18.1439, 19.3923, 73.9932

Complementary

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



30.4673, 19.3923, 8.9748



37.6581, 52.2790, 69.0785

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.



13.0677, 19.3923, 63.4243



30.4673, 19.3923, 8.9748



9.1718, 19.3923, 20.2968

Square

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



30.4673, 19.3923, 8.9748



13.4704, 19.3923, 3.4004



10.0746, 19.3923, 41.0549



24.4826, 19.3923, 65.1656

Rectangle

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



30.4673, 19.3923, 8.9748



20.8050, 19.3923, 2.5030



10.0746, 19.3923, 41.0549



16.2463, 19.3923, 72.5189

Sweetspot

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



30.4678, 19.3934, 8.9751



74.6521, 70.1522, 68.3496



40.7955, 23.5237, 63.3628



15.4242, 14.2041, 13.5274



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.



30.4678, 19.3934, 8.9751



43.5669, 24.6653, 6.5549



37.7052, 33.8684, 11.3876



11.8088, 11.8084, 12.2689



16.2125, 8.3580, 0.7588



0.9065, 0.4674, 0.0424

Inverse Universe

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



37.6581, 52.2790, 69.0785



55.5896, 79.6524, 107.0523



24.4359, 25.8346, 64.6711



12.1584, 13.4070, 15.1907



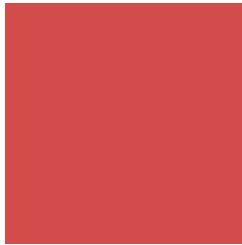
21.1523, 30.9511, 42.0518



1.1827, 1.7306, 2.3513

Previews

White Background



This preview shows how the XYZ color 30.4673, 19.3923, 8.9748 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 30.4673, 19.3923, 8.9748 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 30.4673, 19.3923, 8.9748

Background



This preview shows how black text looks on a background with the XYZ color 30.4673, 19.3923, 8.9748.



This preview shows how white text looks on a background with the XYZ color 30.4673, 19.3923,

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

30.4673, 19.3923, 8.9748

Protanopia

18.3852, 19.5706, 13.6350

Deuteranopia

19.8299, 19.5418, 8.3570



Tritanopia

30.5424, 19.3130, 9.7074

Trichromacy



Original Color

30.4673, 19.3923, 8.9748

Protanomaly

21.3102, 18.2813, 11.6380

Deuteranomaly

22.7157, 18.6285, 8.5293

Tritanomaly

30.5057, 19.2983, 9.5143

Monochromacy



Original Color

30.4673, 19.3923, 8.9748

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

19.5803, 16.7310, 14.5093

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.4673, 19.3923, 8.9748 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(210, 76, 76)` looks like.

```
.text, #text, p{  
    color:rgb(210, 76, 76)  
}
```

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(210, 76, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 76, 76) }
```

Border

The CSS property to change the border of an element to XYZ 30.4673, 19.3923, 8.9748 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(210, 76, 76) }
```


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

```
.border{ border-color:rgb(210, 76, 76) }
```

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

Here you see how a box with a 4 pixel rgb(210, 76, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 76, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 76, 76);  
box-shadow:4px 4px 4px 4px rgb(210, 76,  
76) }
```

Background

The CSS property to change the background color of an element to XYZ 30.4673, 19.3923, 8.9748 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 76, 76) }
```

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

```
.background{ background-color: rgb(210, 76,  
76) }
```

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