

Converting Colors

XYZ(30.6028, 18.4188, 6.8410)

Have a look what the booklet for
XYZ(30.6028, 18.4188, 6.8410)
contains.

XYZ(30.4904, 18.3331, 6.7821)	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(30.4904, 18.3331,
6.7821)**

Conversions

Conversions Part 1

Format	Color
Hex	D64040
RGB	214, 64, 64
RGB Percent	84%, 25%, 25%
CMY	0.1608, 0.7490, 0.7490
CMYK	0.00, 0.70, 0.70, 0.16
HSL	0°, 65%, 55%
HSV	0°, 70%, 84%
XYZ	30.4904, 18.3331, 6.7821
YIQ	108.8500, 89.4000, 31.8000

Conversions

Conversions Part 2

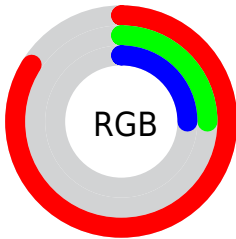
Format	Color
RYB	214, 64, 64
Decimal	14041152
CIELab	49.90, 58.24, 34.34
CIELCh	50, 67.605, 30.524
Yxy	18.3331, 0.5483, 0.3297
Android (android.graphics.Color)	4292231232 (0xFFD64040)
YUV	108.8500, -22.1111, 92.2165
Hunter-Lab	42.8172, 52.1810, 20.5807

Details

The XYZ color **30.4904, 18.3331, 6.7821** 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 **38.2960, 54.0331, 72.0291**, and the grayscale version is **14.5373, 15.2944, 16.6556**.

A 20% lighter version of the original color is **51.0020, 36.1046, 19.6100**, and **13.0843, 6.7295, 1.3188** is the 20% darker color. If you saturate the color by 10%, you get **29.0100, 16.1672, 3.8389**, and if you desaturate by 10%, it is **32.6678, 21.5199, 11.1100**.

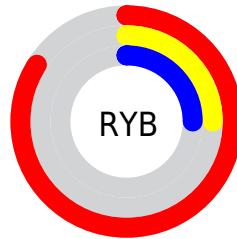
Distribution



Red (84%)

Green (25%)

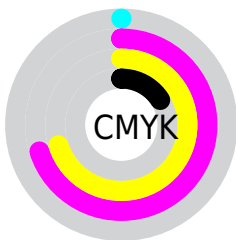
Blue (25%)



Red (84%)

Yellow (25%)

Blue (25%)

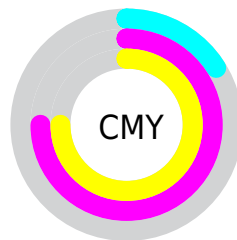


Cyan (0%)

Magenta (70%)

Yellow (70%)

Black (16%)



Cyan (16%)


Magenta (75%)


Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.4904, 18.3331, 6.7821 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 30.4904, 18.3331, 6.7821 by changing the saturation by 10% instead.


 30.4904, 18.3331,
6.7821


 30.4904, 18.3331,
6.7821


296.0527,
242.7419, 175.4023


 20.3610, 11.1894,
3.2498


 59.8182, 40.6041,
20.0388


 12.7675, 6.1944,
1.2236


 79.7473, 56.5002,
30.6004

 7.3446, 2.9636,
0.0000


 103.6737, 76.0825,
44.3421

 3.7267, 1.1128,
0.0000

 131.9628, 99.7355,
61.6826

 1.5487, 0.0000,
0.0000

 164.9798,
127.8436, 83.0403

 0.3586, 0.0000,
0.0000

 203.0903,

 0.0000, 0.0000,

160.7911, 108.8338

0.0000

246.6594,
198.9624, 139.4816

■ 30.4904, 18.3331,
6.7821

■ 30.4904, 18.3331,
6.7821

■ 29.0100, 16.1672,
3.8389

■ 32.6678, 21.5199,
11.1100

■ 28.1407, 14.8952,
2.1111


■ 35.6124, 25.8287,
16.9634


■ 27.7316, 14.2964,
1.2979


■ 39.3870, 31.3520,
24.4669

■ 44.0477, 38.1719,
33.7321

■ 49.6456, 46.3634,
44.8607

 56.2282, 55.9955,
57.9467

 63.8396, 67.1330,
73.0780

 72.5211, 79.8364,
90.3367

 81.5414, 93.0361,
108.2678

Harmonies

Analogous

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



33.0625, 18.3331, 19.6375



30.4904, 18.3331, 6.7821



24.2922, 18.3331, 2.2352

Triad

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



30.4904, 18.3331, 6.7821



8.6828, 18.3331, 7.0607



17.5391, 18.3331, 80.9987

Complementary

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



30.4904, 18.3331, 6.7821



38.2960, 54.0331, 72.0291

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.



11.9919, 18.3331, 69.8259



30.4904, 18.3331, 6.7821



7.7097, 18.3331, 20.2893

Square

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



30.4904, 18.3331, 6.7821



11.8389, 18.3331, 2.3118



8.7545, 18.3331, 44.0801



24.5391, 18.3331, 69.0776

Rectangle

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



30.4904, 18.3331, 6.7821



19.5547, 18.3331, 1.4072



8.7545, 18.3331, 44.0801



15.4559, 18.3331, 79.7718

Sweetspot

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



30.4908, 18.3342, 6.7824



72.8281, 67.4832, 64.7234



41.7024, 22.8180, 65.8244



15.0701, 13.6860, 12.8234



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.



30.4908, 18.3342, 6.7824



42.4233, 22.9917, 4.2815



37.8895, 33.1315, 9.2486



12.4234, 12.4209, 12.9034



16.7620, 8.6413, 0.7845



1.0110, 0.5212, 0.0473

Inverse Universe

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



38.2960, 54.0331, 72.0291



54.7122, 79.1987, 107.0110



23.4846, 24.4103, 67.0919



12.7922, 14.1078, 15.9864



21.8689, 31.9997, 43.4771



1.3191, 1.9301, 2.6223

Previews

White Background



This preview shows how the XYZ color 30.4904, 18.3331, 6.7821 looks on a white 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

Black Background



This preview shows how the XYZ color 30.4904, 18.3331, 6.7821 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 30.4904, 18.3331, 6.7821

Background



This preview shows how black text looks on a background with the XYZ color 30.4904, 18.3331, 6.7821.

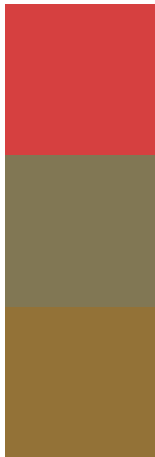


This preview shows how white text looks on a background with the XYZ color 30.4904, 18.3331,

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

30.4904, 18.3331, 6.7821

Protanopia

17.2503, 18.5009, 11.0493

Deuteranopia

18.7395, 18.5135, 6.2002



Tritanopia

30.5781, 18.3682, 7.2440

Trichromacy



Original Color

30.4904, 18.3331, 6.7821

Protanomaly

20.2986, 16.9331, 9.2197

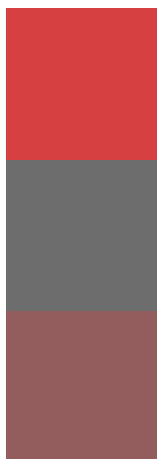
Deuteranomaly

21.7412, 17.3292, 6.2020

Tritanomaly

30.5483, 18.3563, 7.0873

Monochromacy



Original Color

30.4904, 18.3331, 6.7821

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

17.9228, 14.8221, 12.2722

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.4904, 18.3331, 6.7821 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(214, 64, 64)` looks like.

```
.text, #text, p{  
    color:rgb(214, 64, 64)  
}
```

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(214, 64, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 64, 64) }
```

Border

The CSS property to change the border of an element to XYZ 30.4904, 18.3331, 6.7821 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(214, 64, 64) }
```


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

```
.border{ border-color:rgb(214, 64, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 64, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 64, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 64, 64);  
box-shadow:4px 4px 4px 4px rgb(214, 64,  
64) }
```

Background

The CSS property to change the background color of an element to XYZ 30.4904, 18.3331, 6.7821 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 64, 64) }
```

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

```
.background{ background-color: rgb(214, 64,  
64) }
```

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