

Converting Colors

XYZ(30.9802, 18.4344, 6.4918)

Have a look what the booklet for
XYZ(30.9802, 18.4344, 6.4918)
contains.

XYZ(30.9110, 18.3920, 6.4782)	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(30.9110, 18.3920,
6.4782)**

Conversions

Conversions Part 1

Format	Color
Hex	D83E3E
RGB	216, 62, 62
RGB Percent	85%, 24%, 24%
CMY	0.1529, 0.7568, 0.7569
CMYK	0.00, 0.71, 0.71, 0.15
HSL	0°, 66%, 55%
HSV	0°, 71%, 85%
XYZ	30.9110, 18.3920, 6.4782
YIQ	108.0460, 91.7840, 32.6480

Conversions

Conversions Part 2

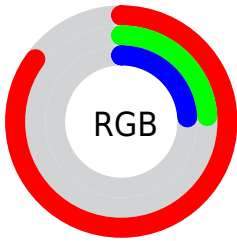
Format	Color
RYB	216, 62, 62
Decimal	14171710
CIELab	49.97, 59.50, 35.66
CIELCh	50, 69.367, 30.936
Yxy	18.3920, 0.5541, 0.3297
Android (android.graphics.Color)	4292361790 (0xFFD83E3E)
YUV	108.0460, -22.7007, 94.6757
Hunter-Lab	42.8859, 53.6077, 21.0640

Details

The XYZ color **30.9110, 18.3920, 6.4782** 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 **38.9341, 55.0877, 73.5462**, and the grayscale version is **14.3116, 15.0569, 16.3970**.

A 20% lighter version of the original color is **50.6513, 35.5794, 18.9498**, and **13.2544, 6.8193, 1.2338** is the 20% darker color. If you saturate the color by 10%, you get **29.4813, 16.3003, 3.6358**, and if you desaturate by 10%, it is **33.0434, 21.5129, 10.7165**.

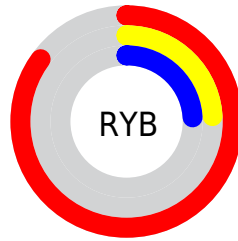
Distribution



Red (85%)

Green (24%)

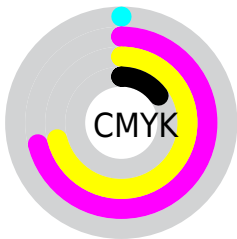
Blue (24%)



Red (85%)

Yellow (24%)

Blue (24%)

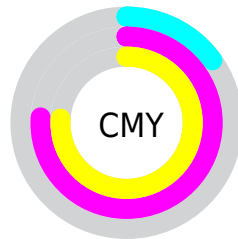


Cyan (0%)

Magenta (71%)

Yellow (71%)

Black (15%)



Cyan (15%)


Magenta (76%)


Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.9110, 18.3920, 6.4782 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 30.9110, 18.3920, 6.4782 by changing the saturation by 10% instead.


 30.9110, 18.3920,
6.4782


 30.9110, 18.3920,
6.4782


297.9623,
243.0714, 172.7177


 20.6826, 11.2318,
3.0645


 60.4767, 40.7042,
19.4102

 13.0033, 6.2230,
1.1277


 80.5447, 56.6249,
29.7656


 7.5078, 2.9811,
0.0000


 104.6233, 76.2346,
43.2720

 3.8308, 1.1219,
0.0000

 133.0778, 99.9177,
60.3479

 1.6069, 0.0000,
0.0000

 166.2736,
128.0585, 81.4119

 0.3969, 0.0000,
0.0000

 204.5761,

 0.0000, 0.0000,

161.0414, 106.8825

0.0000

248.3505,
199.2509, 137.1782

■ 30.9110, 18.3920,
6.4782

■ 30.9110, 18.3920,
6.4782

■ 29.4813, 16.3003,
3.6358

■ 33.0434, 21.5129,
10.7165

■ 28.6643, 15.1046,
2.0119


■ 35.9516, 25.7684,
16.4976


■ 28.3188, 14.5991,
1.3253


■ 39.7008, 31.2547,
23.9507


■ 44.3492, 38.0566,
33.1915

■ 49.9497, 46.2517,
44.3250

 56.5511, 55.9114,
57.4485

 64.1989, 67.1022,
72.6522

 72.9358, 79.8867,
90.0212

 82.1287, 93.3388,
108.2953

Harmonies

Analogous

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



33.6468, 18.3920, 19.4330



30.9110, 18.3920, 6.4782



24.4616, 18.3920, 2.0385

Triad

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



30.9110, 18.3920, 6.4782



8.5134, 18.3920, 6.9792



17.6909, 18.3920, 83.5419

Complementary

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



30.9110, 18.3920, 6.4782



38.9341, 55.0877, 73.5462

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.



11.9735, 18.3920, 72.1584



30.9110, 18.3920, 6.4782



7.5556, 18.3920, 20.6304

Square

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



30.9110, 18.3920, 6.4782



11.6944, 18.3920, 2.1718



8.6435, 18.3920, 45.3846



24.9173, 18.3920, 70.7604

Rectangle

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



30.9110, 18.3920, 6.4782



19.5749, 18.3920, 1.2600



8.6435, 18.3920, 45.3846



15.5421, 18.3920, 82.3744

Sweetspot

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



30.9114, 18.3931, 6.4785



72.8282, 67.4834, 64.7234



42.4359, 23.0019, 67.1684



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.



30.9114, 18.3931, 6.4785



42.1762, 22.6302, 3.7903



38.4208, 33.4118, 8.9816



12.4234, 12.4210, 12.9034



16.7621, 8.6414, 0.7845



1.0110, 0.5213, 0.0473

Inverse Universe

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



38.9341, 55.0877, 73.5462



54.5222, 79.0998, 107.0019



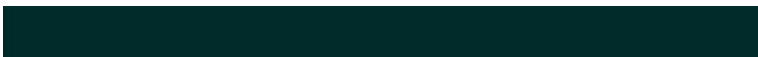
23.6138, 24.4471, 68.4394



12.7922, 14.1077, 15.9864



21.8687, 31.9992, 43.4770



1.3190, 1.9301, 2.6223

Previews

White Background



This preview shows how the XYZ color 30.9110, 18.3920, 6.4782 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 30.9110, 18.3920, 6.4782 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 30.9110, 18.3920, 6.4782

Background



This preview shows how black text looks on a background with the XYZ color 30.9110, 18.3920, 6.4782.



This preview shows how white text looks on a background with the XYZ color 30.9110, 18.3920,

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

30.9110, 18.3920, 6.4782

Protanopia

17.1731, 18.4700, 10.6426

Deuteranopia

18.8727, 18.5876, 5.9612



Tritanopia

30.9669, 18.4143, 6.7727

Trichromacy



Original Color

30.9110, 18.3920, 6.4782

Protanomaly

20.3356, 16.8204, 8.8315

Deuteranomaly

22.0396, 17.3542, 5.9295

Tritanomaly

30.9387, 18.4031, 6.6241

Monochromacy



Original Color

30.9110, 18.3920, 6.4782

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

17.6620, 14.4405, 11.7539

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.9110, 18.3920, 6.4782 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(216, 62, 62)` looks like.

```
.text, #text, p{  
    color:rgb(216, 62, 62)  
}
```

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(216, 62, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 62, 62) }
```

Border

The CSS property to change the border of an element to XYZ 30.9110, 18.3920, 6.4782 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(216, 62, 62) }
```


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

```
.border{ border-color:rgb(216, 62, 62) }
```

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

Here you see how a box with a 4 pixel rgb(216, 62, 62) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 62, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 62, 62);  
box-shadow:4px 4px 4px 4px rgb(216, 62,  
62) }
```

Background

The CSS property to change the background color of an element to XYZ 30.9110, 18.3920, 6.4782 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 62, 62) }
```

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

```
.background{ background-color: rgb(216, 62,  
62) }
```

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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