

Converting Colors

XYZ(22.0291, 15.8818, 4.9220)

Have a look what the booklet for
XYZ(22.0291, 15.8818, 4.9220)
contains.

XYZ(22.0291, 15.8818, 4.9220)	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(22.0291, 15.8818,
4.9220)**

Conversions

Conversions Part 1

Format	Color
Hex	B25332
RGB	178, 83, 50
RGB Percent	70%, 33%, 20%
CMY	0.3020, 0.6745, 0.8039
CMYK	0.00, 0.53, 0.72, 0.30
HSL	15°, 56%, 45%
HSV	15°, 72%, 70%
XYZ	22.0291, 15.8818, 4.9220
YIQ	107.6430, 67.2130, 9.8770

Conversions

Conversions Part 2

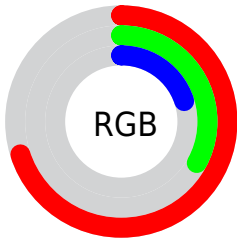
Format	Color
R_{YB}	178, 94, 50
Decimal	11686706
CIE _{Lab}	46.82, 36.36, 37.06
CIE _{LCh}	47, 51.920, 45.550
Yxy	15.8818, 0.5143, 0.3708
Android (android.graphics.Color)	4289876786 (0xFFB25332)
YUV	107.6430, -28.4180, 61.7031
Hunter-Lab	39.8520, 28.9290, 20.5737

Details

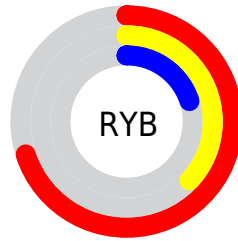
The XYZ color **22.0291, 15.8818, 4.9220** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **19.4758, 24.1415, 45.7526**, and the grayscale version is **14.2183, 14.9587, 16.2900**.

A 20% lighter version of the original color is **46.4652, 36.5605, 16.1632**, and **8.1735, 5.0184, 0.6527** is the 20% darker color. If you saturate the color by 10%, you get **20.8009, 13.9251, 2.9723**, and if you desaturate by 10%, it is **23.5999, 18.2851, 7.7225**.

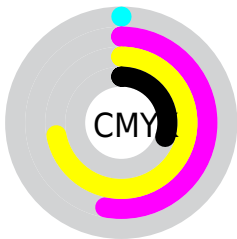
Distribution



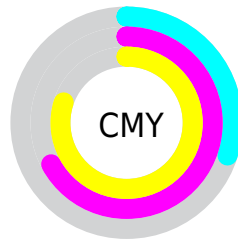
- Red (70%)
- Green (33%)
- Blue (20%)



- Red (70%)
- Yellow (37%)
- Blue (20%)



- Cyan (0%)
- Magenta (53%)
- Yellow (72%)
- Black (30%)





- Cyan (30%)
- Magenta (67%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 22.0291, 15.8818, 4.9220 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 22.0291, 15.8818, 4.9220 by changing the saturation by 10% instead.


 22.0291, 15.8818,
4.9220

 22.0291, 15.8818,
4.9220


255.3277,
228.6432, 157.9800


 13.9950, 9.4406,
2.1436


 46.2726, 36.3929,
16.0858


 8.1989, 5.0296,
0.6416


 63.2127, 51.2315,
25.3083


 4.2753, 2.2647,
0.0000

 83.8522, 69.6380,
37.5160

 1.8591, 0.7549,
0.0000

 108.5564, 91.9969,
53.1273

 0.5529, 0.0000,
0.0000

 137.6907,
118.6924, 72.5608

 0.0000, 0.0000,
0.0000

 171.6204,

150.1091, 96.2351

210.7110,
186.6312, 124.5686

■ 22.0291, 15.8818,
4.9220

■ 22.0291, 15.8818,
4.9220

■ 20.8009, 13.9251,
2.9723

■ 23.5999, 18.2851,
7.7225

■ 19.8848, 12.3832,
1.7720

■ 25.5379, 21.1589,
11.4580

■ 19.3330, 11.4110,
1.1836

■ 27.8663, 24.5281,
16.2033

■ 30.6061, 28.4155,
22.0253

■ 33.7767, 32.8419,
28.9852

■ 37.3962, 37.8272,
37.1394

■ 41.4816, 43.3903,
46.5408

■ 46.0492, 49.5492,
57.2390

■ 51.1142, 56.3209,
69.2807

Harmonies

Analogous

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



25.1012, 15.8818, 11.4460



22.0291, 15.8818, 4.9220



17.3673, 15.8818, 2.6599

Triad

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



22.0291, 15.8818, 4.9220



8.1512, 15.8818, 11.7997



17.5447, 15.8818, 54.0184

Complementary

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



22.0291, 15.8818, 4.9220



19.4758, 24.1415, 45.7526

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.



13.0304, 15.8818, 54.2828



22.0291, 15.8818, 4.9220



8.1799, 15.8818, 24.8526

Square

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



22.0291, 15.8818, 4.9220



9.7063, 15.8818, 5.0695



9.7943, 15.8818, 41.8130



22.1810, 15.8818, 41.2080

Rectangle

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



22.0291, 15.8818, 4.9220



14.2709, 15.8818, 2.4721



9.7943, 15.8818, 41.8130



15.9506, 15.8818, 55.7322

Sweetspot

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



22.0295, 15.8827, 4.9223



60.9634, 59.1564, 51.9207



24.6889, 13.8215, 28.5606



13.1509, 12.6120, 10.7157



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



22.0295, 15.8827, 4.9223



36.7284, 23.6033, 4.0216



29.2146, 30.2530, 7.3173



8.6686, 8.8497, 8.9038



13.8773, 8.2532, 0.8616



0.4847, 0.3558, 0.0431

Inverse Universe

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



19.4758, 24.1415, 45.7526



31.6244, 39.0258, 82.2471



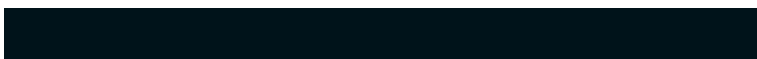
12.3686, 9.9271, 43.3835



8.5535, 9.2532, 10.8416



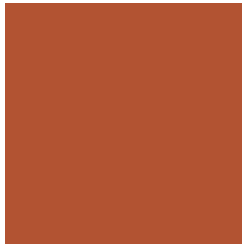
11.7162, 14.2328, 32.2667



0.4125, 0.5356, 1.0299

Previews

White Background



This preview shows how the XYZ color 22.0291, 15.8818, 4.9220 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 22.0291, 15.8818, 4.9220 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

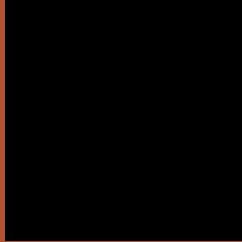
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 22.0291, 15.8818, 4.9220

Background



This preview shows how black text looks on a background with the XYZ color 22.0291, 15.8818, 4.9220.



This preview shows how white text looks on a background with the XYZ color 22.0291, 15.8818,

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

22.0291, 15.8818, 4.9220

Protanopia

14.7520, 16.1151, 6.4707

Deuteranopia

16.2751, 15.9865, 4.7105



Tritanopia

23.2186, 15.9354, 10.2396

Trichromacy



Original Color

22.0291, 15.8818, 4.9220

Protanomaly

16.6952, 15.4325, 5.8402

Deuteranomaly

18.0176, 15.7129, 4.7726

Tritanomaly

22.6288, 15.7889, 7.9858

Monochromacy



Original Color

22.0291, 15.8818, 4.9220

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

15.8550, 14.5983, 10.9989

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.0291, 15.8818, 4.9220 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(178, 83, 50)` looks like.

```
.text, #text, p{  
    color:rgb(178, 83, 50)  
}
```

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(178, 83, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 83, 50) }
```

Border

The CSS property to change the border of an element to XYZ 22.0291, 15.8818, 4.9220 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(178, 83, 50) }
```


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

```
.border{ border-color:rgb(178, 83, 50) }
```

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

Here you see how a box with a 4 pixel rgb(178, 83, 50) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 83, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 83, 50);  
box-shadow:4px 4px 4px 4px rgb(178, 83,  
50) }
```

Background

The CSS property to change the background color of an element to XYZ 22.0291, 15.8818, 4.9220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 83, 50) }
```

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

```
.background{ background-color: rgb(178, 83,  
50) }
```

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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