

Converting Colors

XYZ(19.6736, 11.8692, 1.9832)

Have a look what the booklet for
XYZ(19.6736, 11.8692, 1.9832)
contains.

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Color

**XYZ(19.6793, 11.8868,
1.9666)**

Conversions

Conversions Part 1

Format	Color
Hex	B23315
RGB	178, 51, 21
RGB Percent	70%, 20%, 8%
CMY	0.3020, 0.8000, 0.9176
CMYK	0.00, 0.71, 0.88, 0.30
HSL	11°, 79%, 39%
HSV	11°, 88%, 70%
XYZ	19.6793, 11.8868, 1.9666
YIQ	85.5530, 85.3220, 17.5940

Conversions

Conversions Part 2

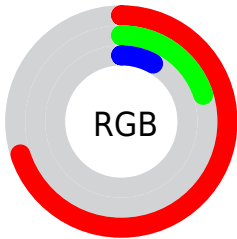
Format	Color
R_{YB}	178, 58, 21
Decimal	11678485
CIE Lab	41.04, 49.95, 45.86
CIE LCh	41, 67.814, 42.555
Yxy	11.8868, 0.5869, 0.3545
Android (android.graphics.Color)	4289868565 (0xFFB23315)
YUV	85.5530, -31.8246, 81.0760
Hunter-Lab	34.4772, 41.5510, 20.7521

Details

The XYZ color **19.6793, 11.8868, 1.9666** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **18.9335, 24.5507, 45.8600**, and the grayscale version is **8.8040, 9.2625, 10.0868**.

A 20% lighter version of the original color is **42.3706, 29.2213, 8.8759**, and **7.3361, 3.7819, 0.3433** is the 20% darker color. If you saturate the color by 10%, you get **19.0270, 10.7710, 1.1681**, and if you desaturate by 10%, it is **20.6366, 13.4375, 3.4082**.

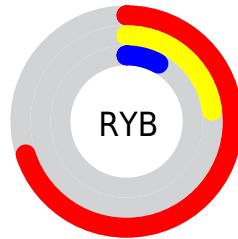
Distribution



Red (70%)

Green (20%)

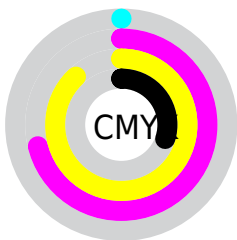
Blue (8%)



Red (70%)

Yellow (23%)

Blue (8%)

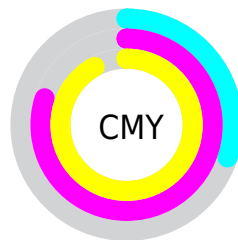


Cyan (0%)

Magenta (71%)

Yellow (88%)

Black (30%)



Cyan (30%)


Magenta (80%)


Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.6793, 11.8868, 1.9666 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 19.6793, 11.8868, 1.9666 by changing the saturation by 10% instead.

 19.6793, 11.8868,
1.9666


 19.6793, 11.8868,
1.9666


243.0404,
203.6544, 121.8560


 12.2690, 6.6666,
0.5346


 42.3869, 29.2888,
8.9493


 7.0007, 3.2545,
0.0000


 58.4150, 42.2394,
15.3977

 3.5089, 1.2660,
0.0000

 78.0464, 58.5356,
24.3756

 1.4282, 0.1147,
0.0000

 101.6464, 78.5618,
36.3015


 0.2762, 0.0000,
0.0000


 129.5805,
102.7024, 51.5940


 0.0000, 0.0000,
0.0000


 162.2139,


131.3417, 70.6715


 199.9121,
164.8643, 93.9527


 19.6793, 11.8868,
1.9666


 19.6793, 11.8868,
1.9666


 19.0270, 10.7710,
1.1681


 20.6366, 13.4375,
3.4082

 18.9326, 10.6103,
1.0501

 21.9429, 15.4651,
5.6474

 23.6302, 18.0062,
8.7796

 25.7265, 21.0932,
12.8866

 28.2571, 24.7560,
18.0410

■ 31.2450, 29.0220,
24.3082

■ 34.7119, 33.9171,
31.7484

■ 38.6776, 39.4654,
40.4176

■ 43.1613, 45.6898,
50.3679

Harmonies

Analogous

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



23.1016, 11.8868, 7.9510



19.6793, 11.8868, 1.9666



14.3391, 11.8868, 0.4234

Triad

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



19.6793, 11.8868, 1.9666



4.5199, 11.8868, 6.4607



13.4547, 11.8868, 60.6184

Complementary

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



19.6793, 11.8868, 1.9666



18.9335, 24.5507, 45.8600

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.



8.7206, 11.8868, 58.9783



19.6793, 11.8868, 1.9666



4.4087, 11.8868, 19.6795

Square

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



19.6793, 11.8868, 1.9666



6.0812, 11.8868, 1.5416



5.7156, 11.8868, 40.8100



18.8740, 11.8868, 44.3828

Rectangle

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



19.6793, 11.8868, 1.9666



10.8863, 11.8868, 0.2100



5.7156, 11.8868, 40.8100



11.7200, 11.8868, 62.3526

Sweetspot

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



19.6796, 11.8875, 1.9668



57.6991, 54.1017, 46.2890



24.0702, 12.1781, 29.6064



12.3398, 11.3568, 9.3139



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.



19.6796, 11.8875, 1.9668



34.2089, 18.9920, 1.8628



26.2515, 25.0314, 4.1574



8.6235, 8.7595, 8.8888



13.5822, 7.6631, 0.7633



0.4662, 0.3189, 0.0370

Inverse Universe

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



18.9335, 24.5507, 45.8600



32.4909, 41.6657, 82.7110



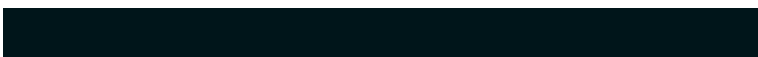
10.5804, 7.8443, 43.0756



8.6019, 9.3500, 10.8577



12.9268, 16.6540, 32.6702



0.4423, 0.5951, 1.0398

Previews

White Background



This preview shows how the XYZ color 19.6793, 11.8868, 1.9666 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



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 19.6793, 11.8868, 1.9666

Background



This preview shows how black text looks on a background with the XYZ color 19.6793, 11.8868, 1.9666.



This preview shows how white text looks on a background with the XYZ color 19.6793, 11.8868,

1.9666.

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

19.6793, 11.8868, 1.9666

Protanopia

10.9351, 12.0909, 3.1239

Deuteranopia

12.2265, 12.1138, 1.6938



Tritanopia

20.2231, 11.9279, 4.2541

Trichromacy



Original Color

19.6793, 11.8868, 1.9666

Protanomaly

12.9835, 11.0370, 2.5447

Deuteranomaly

14.2698, 11.3956, 1.6772

Tritanomaly

20.0549, 11.9268, 3.1645

Monochromacy



Original Color

19.6793, 11.8868, 1.9666

Achromatopsia

8.8453, 9.3059, 10.1341

Achromatomaly

10.8598, 9.0348, 5.7289

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.6793, 11.8868, 1.9666 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, 51, 21)` looks like.

```
.text, #text, p{  
    color:rgb(178, 51, 21)  
}
```

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, 51, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 51, 21) }
```

Border

The CSS property to change the border of an element to XYZ 19.6793, 11.8868, 1.9666 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, 51, 21) }
```


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

```
.border{ border-color:rgb(178, 51, 21) }
```

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

Here you see how a box with a 4 pixel rgb(178, 51, 21) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 51, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 51, 21);  
box-shadow:4px 4px 4px 4px rgb(178, 51,  
21) }
```

Background

The CSS property to change the background color of an element to XYZ 19.6793, 11.8868, 1.9666 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 51, 21) }
```

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

```
.background{ background-color: rgb(178, 51,  
21) }
```

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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