

Converting Colors

XYZ(18.9875, 10.5492, 1.0354)

Have a look what the booklet for
XYZ(18.9875, 10.5492, 1.0354)
contains.

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Color

**XYZ(18.8766, 10.4980,
1.0314)**

Conversions

Conversions Part 1

Format	Color
Hex	B22000
RGB	178, 32, 0
RGB Percent	70%, 13%, 0%
CMY	0.3020, 0.8745, 1.0000
CMYK	0.00, 0.82, 1.00, 0.30
HSL	11°, 100%, 35%
HSV	11°, 100%, 70%
XYZ	18.8766, 10.4980, 1.0314
YIQ	72.0060, 97.2880, 21.0000

Conversions

Conversions Part 2

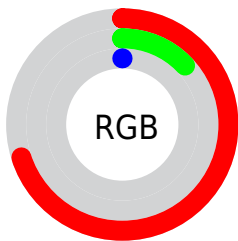
Format	Color
R_{YB}	178, 39, 0
Decimal	11673600
CIE Lab	38.72, 55.85, 52.03
CIE LCh	39, 76.330, 42.973
Yxy	10.4980, 0.6208, 0.3453
Android (android.graphics.Color)	4289863680 (0xFFB22000)
YUV	72.0060, -35.4990, 92.9567
Hunter-Lab	32.4006, 47.2930, 20.7931

Details

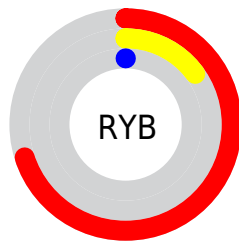
The XYZ color **18.8766, 10.4980, 1.0314** is a dark color, and the websafe version is hex **CC3300**. A complement of this color would be **18.3126, 23.7679, 45.7416**, and the grayscale version is **6.2091, 6.5325, 7.1139**.

A 20% lighter version of the original color is **41.0426, 26.7706, 6.1360**, and **7.0702, 3.6448, 0.3309** is the 20% darker color. If you saturate the color by 10%, you get **18.8768, 10.4986, 1.0315**, and if you desaturate by 10%, it is **19.4686, 11.5101, 1.7593**.

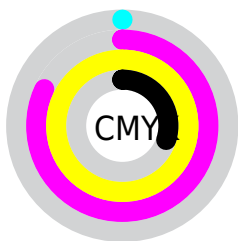
Distribution



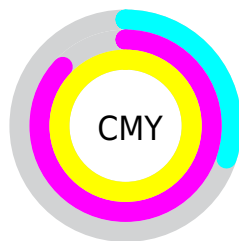
- Red (70%)
- Green (13%)
- Blue (0%)



- Red (70%)
- Yellow (15%)
- Blue (0%)



- Cyan (0%)
- Magenta (82%)
- Yellow (100%)
- Black (30%)





- Cyan (30%)
- Magenta (87%)
- Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 18.8766, 10.4980, 1.0314 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 18.8766, 10.4980, 1.0314 by changing the saturation by 10% instead.


 18.8766, 10.4980,
1.0314


 18.8766, 10.4980,
1.0314


 238.7179,
194.1904, 104.8345


 11.6846, 5.7304,
0.0000


 41.0440, 26.7281,
6.1653


 6.6000, 2.6818,
0.0000


 56.7501, 38.9593,
11.3196

 3.2573, 0.9680,
0.0000

 76.0249, 54.4472,
18.7567

 1.2912, 0.0000,
0.0000

 99.2339, 73.5761,
28.8952

 0.1767, 0.0000,
0.0000


 126.7423, 96.7305,
42.1537


 0.0000, 0.0000,
0.0000


 158.9155,


124.2948, 58.9507


 196.1189,
156.6533, 79.7048


 18.8766, 10.4980,
1.0314


 18.8766, 10.4980,
1.0314


 18.8768, 10.4986,
1.0315

 19.4686, 11.5101,
1.7593

 20.3523, 12.9499,
3.0642

 21.5831, 14.8683,
5.1490

 23.1944, 17.3038,
8.1125

 25.2154, 20.2907,
12.0388

■ 27.6724, 23.8605,
17.0020

■ 30.5894, 28.0420,
23.0688

■ 33.9888, 32.8624,
30.3007

■ 37.8912, 38.3471,
38.7542

Harmonies

Analogous

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



22.7077, 10.4980, 6.2653



18.8766, 10.4980, 1.0314



13.0920, 10.4980, 0.0000

Triad

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



18.8766, 10.4980, 1.0314



3.2860, 10.4980, 5.0792



12.3144, 10.4980, 65.3806

Complementary

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



18.8766, 10.4980, 1.0314



18.3126, 23.7679, 45.7416

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.



7.4017, 10.4980, 63.7691



18.8766, 10.4980, 1.0314



3.2022, 10.4980, 18.8579

Square

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



18.8766, 10.4980, 1.0314



4.7244, 10.4980, 0.7629



4.4360, 10.4980, 42.6875



18.1449, 10.4980, 46.1166

Rectangle

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



18.8766, 10.4980, 1.0314



9.4841, 10.4980, 0.0000



4.4360, 10.4980, 42.6875



10.4889, 10.4980, 67.5494

Sweetspot

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



18.8768, 10.4987, 1.0315



55.1765, 50.4308, 41.2115



23.7316, 11.6136, 29.1462



11.7168, 10.4473, 8.0685



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.



18.8768, 10.4987, 1.0315



34.1135, 18.8013, 1.8310



24.9171, 22.5793, 3.0450



8.6159, 8.7443, 8.8862



13.5408, 7.5801, 0.7494



0.4631, 0.3126, 0.0359

Inverse Universe

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



18.3126, 23.7679, 45.7416



33.0546, 42.7930, 82.8989



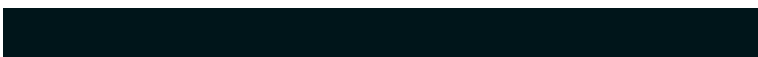
9.6170, 6.3767, 42.8431



8.6101, 9.3664, 10.8604



13.1447, 17.0898, 32.7428



0.4475, 0.6055, 1.0415

Previews

White Background



This preview shows how the XYZ color 18.8766, 10.4980, 1.0314 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 18.8766, 10.4980, 1.0314

Background



This preview shows how black text looks on a background with the XYZ color 18.8766, 10.4980, 1.0314.



This preview shows how white text looks on a background with the XYZ color 18.8766, 10.4980,

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

18.8766, 10.4980, 1.0314

Protanopia

9.7681, 10.8297, 2.3346

Deuteranopia

10.8258, 10.7614, 1.5066



Tritanopia

19.0461, 10.4822, 2.1818

Trichromacy



Original Color

18.8766, 10.4980, 1.0314

Protanomaly

11.6926, 9.3635, 1.6065

Deuteranomaly

12.7146, 9.6232, 1.1873

Tritanomaly

18.9593, 10.4886, 1.5975

Monochromacy



Original Color

18.8766, 10.4980, 1.0314

Achromatopsia

6.1596, 6.4803, 7.0571

Achromatomaly

8.5118, 6.5030, 3.3914

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8766, 10.4980, 1.0314 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, 32, 0)` looks like.

```
.text, #text, p{  
    color:rgb(178, 32, 0)  
}
```

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, 32, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 32, 0) }
```

Border

The CSS property to change the border of an element to XYZ 18.8766, 10.4980, 1.0314 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, 32, 0) }
```


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

```
.border{ border-color:rgb(178, 32, 0) }
```

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

Here you see how a box with a 4 pixel rgb(178, 32, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 32, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 32, 0);  
box-shadow:4px 4px 4px 4px rgb(178, 32, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.8766, 10.4980, 1.0314 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 32, 0) }
```

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

```
.background{ background-color: rgb(178, 32,  
0) }
```

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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