

Converting Colors

XYZ(19.7877, 10.6470, 1.5890)

Have a look what the booklet for
XYZ(19.7877, 10.6470, 1.5890)
contains.

XYZ(19.7070, 10.6015, 1.5799)	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(19.7070, 10.6015,
1.5799)**

Conversions

Conversions Part 1

Format	Color
Hex	B61712
RGB	182, 23, 18
RGB Percent	71%, 9%, 7%
CMY	0.2863, 0.9097, 0.9294
CMYK	0.00, 0.87, 0.90, 0.29
HSL	2°, 82%, 39%
HSV	2°, 90%, 71%
XYZ	19.7070, 10.6015, 1.5799
YIQ	69.9710, 96.3690, 32.1530

Conversions

Conversions Part 2

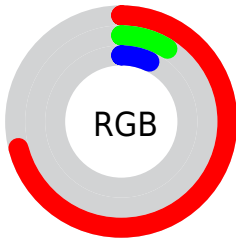
Format	Color
R_{YB}	182, 23, 18
Decimal	11933458
CIE Lab	38.90, 59.29, 45.88
CIE LCh	39, 74.969, 37.729
Yxy	10.6015, 0.6180, 0.3325
Android (android.graphics.Color)	4290123538 (0xFFB61712)
YUV	69.9710, -25.6217, 98.2494
Hunter-Lab	32.5599, 51.0577, 19.9150

Details

The XYZ color **19.7070, 10.6015, 1.5799** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **24.4119, 34.9439, 49.7139**, and the grayscale version is **5.8481, 6.1526, 6.7002**.

A 20% lighter version of the original color is **42.4212, 26.9424, 7.8151**, and **7.6077, 3.9219, 0.3560** is the 20% darker color. If you saturate the color by 10%, you get **19.3517, 10.0659, 0.9230**, and if you desaturate by 10%, it is **20.3941, 11.6361, 2.8563**.

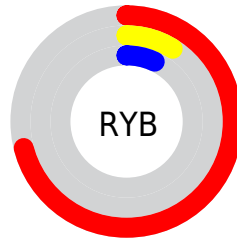
Distribution



Red (71%)

Green (9%)

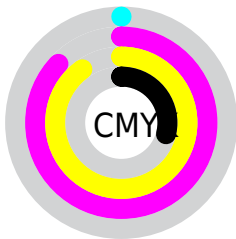
Blue (7%)



Red (71%)

Yellow (9%)

Blue (7%)

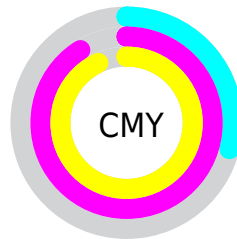


Cyan (0%)

Magenta (87%)

Yellow (90%)

Black (29%)



Cyan (29%)


Magenta (91%)


Yellow (93%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 19.7070, 10.6015, 1.5799 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 19.7070, 10.6015, 1.5799 by changing the saturation by 10% instead.


 19.7070, 10.6015,
1.5799


 19.7070, 10.6015,
1.5799


 243.1884,
194.9128, 115.4688


 12.2893, 5.7996,
0.2764


 42.4331, 26.9209,
7.8567


 7.0146, 2.7236,
0.0000


 58.4722, 39.2071,
13.8178

 3.5176, 0.9892,
0.0000

 78.1157, 54.7569,
22.2186

 1.4330, 0.0000,
0.0000

 101.7292, 73.9546,
33.4778

 0.2796, 0.0000,
0.0000


 129.6778, 97.1847,
48.0139


 0.0000, 0.0000,
0.0000


 162.3270,


124.8314, 66.2454


 200.0420,
157.2794, 88.5909


 19.7070, 10.6015,
1.5799


 19.7070, 10.6015,
1.5799


 19.3517, 10.0659,
0.9230

 20.3941, 11.6361,
2.8563

 21.4950, 13.2720,
4.9684

 23.0615, 15.5823,
8.0264

 25.1374, 18.6296,
12.1235

 27.7616, 22.4691,
17.3420

■ 30.9692, 27.1506,
23.7557

■ 34.7923, 32.7202,
31.4322

■ 39.2608, 39.2204,
40.4342

■ 44.4026, 46.6910,
50.8200

Harmonies

Analogous

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



22.8568, 10.6015, 8.2335



19.7070, 10.6015, 1.5799



14.1590, 10.6015, 0.0000

Triad

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



19.7070, 10.6015, 1.5799



3.5584, 10.6015, 3.9567



11.4201, 10.6015, 65.6298

Complementary

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



19.7070, 10.6015, 1.5799



24.4119, 34.9439, 49.7139

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.



6.8653, 10.6015, 60.0710



19.7070, 10.6015, 1.5799



3.2541, 10.6015, 15.6388

Square

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



19.7070, 10.6015, 1.5799



5.2788, 10.6015, 0.5437



4.2415, 10.6015, 37.7747



17.1462, 10.6015, 49.6606

Rectangle

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



19.7070, 10.6015, 1.5799



10.4606, 10.6015, 0.0000



4.2415, 10.6015, 37.7747



9.7017, 10.6015, 66.3577

Sweetspot

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



19.7072, 10.6022, 1.5800



57.8747, 51.7424, 46.5328



27.6713, 13.6431, 43.9641



12.2970, 10.7202, 9.3039



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



19.7072, 10.6022, 1.5800



35.0539, 18.1878, 1.6631



24.2243, 19.6363, 3.0857



9.0260, 9.0550, 9.3790



13.6750, 7.1264, 0.6548



0.4896, 0.2662, 0.0256

Inverse Universe

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



24.4119, 34.9439, 49.7139



43.5761, 62.6594, 90.0335



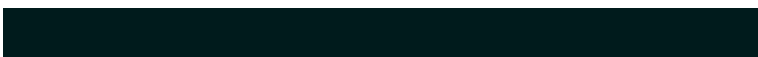
12.9923, 12.1048, 45.9074



9.2425, 10.1622, 11.5538



16.9960, 24.4516, 35.0769



0.6066, 0.8768, 1.2390

Previews

White Background



This preview shows how the XYZ color 19.7070, 10.6015, 1.5799 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 19.7070, 10.6015, 1.5799

Background



This preview shows how black text looks on a background with the XYZ color 19.7070, 10.6015, 1.5799.



This preview shows how white text looks on a background with the XYZ color 19.7070, 10.6015,

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

19.7070, 10.6015, 1.5799

Protanopia

9.8978, 10.8816, 3.0175

Deuteranopia

11.0436, 10.9963, 1.5404



Tritanopia

19.7153, 10.6049, 1.6239

Trichromacy



Original Color

19.7070, 10.6015, 1.5799

Protanomaly

11.7924, 9.1236, 2.2381

Deuteranomaly

12.9132, 9.4587, 1.3461

Tritanomaly

19.7153, 10.6049, 1.6239

Monochromacy



Original Color

19.7070, 10.6015, 1.5799

Achromatopsia

5.8214, 6.1246, 6.6697

Achromatomaly

8.4262, 6.1647, 3.8778

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.7070, 10.6015, 1.5799 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(182, 23, 18)` looks like.

```
.text, #text, p{  
    color:rgb(182, 23, 18)  
}
```

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(182, 23, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 23, 18) }
```

Border

The CSS property to change the border of an element to XYZ 19.7070, 10.6015, 1.5799 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(182, 23, 18) }
```


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

```
.border{ border-color:rgb(182, 23, 18) }
```

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

Here you see how a box with a 4 pixel rgb(182, 23, 18) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 23, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 23, 18);  
box-shadow:4px 4px 4px 4px rgb(182, 23,  
18) }
```

Background

The CSS property to change the background color of an element to XYZ 19.7070, 10.6015, 1.5799 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 23, 18) }
```

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

```
.background{ background-color: rgb(182, 23,  
18) }
```

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