

Converting Colors

XYZ(18.8330, 10.2401, 0.9839)

Have a look what the booklet for
XYZ(18.8330, 10.2401, 0.9839)
contains.

XYZ(18.7077, 10.1602, 0.9751)	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(18.7077, 10.1602,
0.9751)**

Conversions

Conversions Part 1

Format	Color
Hex	B21900
RGB	178, 25, 0
RGB Percent	70%, 10%, 0%
CMY	0.3020, 0.9019, 1.0000
CMYK	0.00, 0.86, 1.00, 0.30
HSL	8°, 100%, 35%
HSV	8°, 100%, 70%
XYZ	18.7077, 10.1602, 0.9751
YIQ	67.8970, 99.2130, 24.6610

Conversions

Conversions Part 2

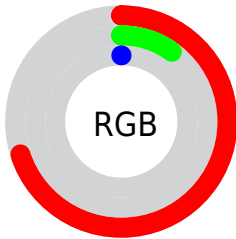
Format	Color
RYB	178, 29, 0
Decimal	11671808
CIELab	38.13, 57.53, 51.79
CIELCh	38, 77.412, 41.993
Yxy	10.1602, 0.6269, 0.3405
Android (android.graphics.Color)	4289861888 (0xFFB21900)
YUV	67.8970, -33.4732, 96.5603
Hunter-Lab	31.8751, 48.9815, 20.4988

Details

The XYZ color **18.7077, 10.1602, 0.9751** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **19.4244, 25.9915, 46.1122**, and the grayscale version is **5.5201, 5.8075, 6.3244**.

A 20% lighter version of the original color is **40.7052, 26.0957, 6.0235**, and **7.0702, 3.6448, 0.3309** is the 20% darker color. If you saturate the color by 10%, you get **18.7079, 10.1608, 0.9752**, and if you desaturate by 10%, it is **19.2369, 11.0468, 1.6821**.

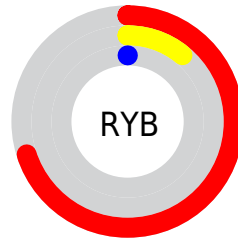
Distribution



Red (70%)

Green (10%)

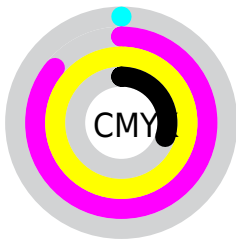
Blue (0%)



Red (70%)

Yellow (11%)

Blue (0%)

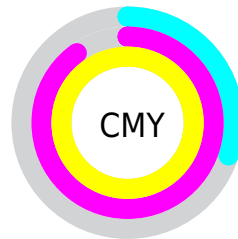


Cyan (0%)

Magenta (86%)

Yellow (100%)

Black (30%)



Cyan (30%)


Magenta (90%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 18.7077, 10.1602, 0.9751 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 18.7077, 10.1602, 0.9751 by changing the saturation by 10% instead.


 18.7077, 10.1602,
0.9751


 18.7077, 10.1602,
0.9751


 237.7995,
191.8116, 103.5902


 11.5620, 5.5053,
0.0000


 40.7603, 26.0964,
5.9783


 6.5163, 2.5467,
0.0000


 56.3979, 38.1465,
11.0387


 3.2051, 0.8999,
0.0000

 75.5969, 53.4304,
18.3628

 1.2631, 0.0000,
0.0000

 98.7226, 72.3326,
28.3694


 0.1554, 0.0000,
0.0000


 126.1403, 95.2374,
41.4768


 0.0000, 0.0000,
0.0000


 158.2155,


122.5293, 58.1038


 195.3134,
154.5925, 78.6687


 18.7077, 10.1602,
0.9751


 18.7077, 10.1602,
0.9751


 18.7079, 10.1608,
0.9752

 19.2369, 11.0468,
1.6821

 20.0678, 12.3808,
2.9693

 21.2594, 14.2208,
5.0411

 22.8483, 16.6115,
7.9971

 24.8663, 19.5925,
11.9224

■ 27.3420, 23.1997,
16.8918

■ 30.3016, 27.4663,
22.9728

■ 33.7690, 32.4229,
30.2274

■ 37.7669, 38.0985,
38.7127

Harmonies

Analogous

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



22.4413, 10.1602, 6.2716



18.7077, 10.1602, 0.9751



12.9436, 10.1602, 0.0000

Triad

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



18.7077, 10.1602, 0.9751



3.0965, 10.1602, 4.5483



11.7953, 10.1602, 65.7496

Complementary

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



18.7077, 10.1602, 0.9751



19.4244, 25.9915, 46.1122

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.



6.9798, 10.1602, 63.3274



18.7077, 10.1602, 0.9751



2.9759, 10.1602, 17.8259

Square

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



18.7077, 10.1602, 0.9751



4.5478, 10.1602, 0.5736



4.1297, 10.1602, 41.5933



17.6213, 10.1602, 46.7290

Rectangle

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



18.7077, 10.1602, 0.9751



9.3265, 10.1602, 0.0000



4.1297, 10.1602, 41.5933



9.9952, 10.1602, 67.6853

Sweetspot

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



18.7079, 10.1608, 0.9752



54.6494, 49.3766, 41.0358



24.2149, 11.8069, 31.6909



11.5919, 10.1975, 8.0269



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.



18.7079, 10.1608, 0.9752



33.8281, 18.2305, 1.7359



24.2353, 21.2157, 2.8177



8.5895, 8.6916, 8.8775



13.4144, 7.3273, 0.7073



0.4522, 0.2909, 0.0323

Inverse Universe

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



19.4244, 25.9915, 46.1122



35.0970, 46.8779, 83.5797



9.9415, 7.0256, 42.9512



8.6388, 9.4239, 10.8700



13.9331, 18.6666, 33.0056



0.4662, 0.6430, 1.0478

Previews

White Background



This preview shows how the XYZ color 18.7077, 10.1602, 0.9751 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 18.7077, 10.1602, 0.9751 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 18.7077, 10.1602, 0.9751

Background



This preview shows how black text looks on a background with the XYZ color 18.7077, 10.1602, 0.9751.



This preview shows how white text looks on a background with the XYZ color 18.7077, 10.1602,

0.9751.

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

18.7077, 10.1602, 0.9751

Protanopia

9.5655, 10.5958, 2.3001

Deuteranopia

10.4784, 10.4612, 1.4669



Tritanopia

18.8221, 10.1724, 1.6809

Trichromacy



Original Color

18.7077, 10.1602, 0.9751

Protanomaly

11.3523, 8.9118, 1.5373

Deuteranomaly

12.3146, 9.0701, 1.1016

Tritanomaly

18.7594, 10.1473, 1.3507

Monochromacy



Original Color

18.7077, 10.1602, 0.9751

Achromatopsia

5.4944, 5.7805, 6.2950

Achromatomaly

7.8484, 5.8185, 2.9949

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.7077, 10.1602, 0.9751 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, 25, 0)` looks like.

```
.text, #text, p{  
    color:rgb(178, 25, 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, 25, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 25, 0) }
```

Border

The CSS property to change the border of an element to XYZ 18.7077, 10.1602, 0.9751 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, 25, 0) }
```


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

```
.border{ border-color:rgb(178, 25, 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, 25, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 25, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 25, 0);  
box-shadow:4px 4px 4px 4px rgb(178, 25, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.7077, 10.1602, 0.9751 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 25, 0) }
```

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

```
.background{ background-color: rgb(178, 25,  
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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