

Converting Colors

XYZ(18.9001, 10.3746, 1.0063)

Have a look what the booklet for
XYZ(18.9001, 10.3746, 1.0063)
contains.

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Color

**XYZ(18.7754, 10.2955,
0.9977)**

Conversions

Conversions Part 1

Format	Color
Hex	B21C00
RGB	178, 28, 0
RGB Percent	70%, 11%, 0%
CMY	0.3020, 0.8901, 1.0000
CMYK	0.00, 0.84, 1.00, 0.30
HSL	9°, 100%, 35%
HSV	9°, 100%, 70%
XYZ	18.7754, 10.2955, 0.9977
YIQ	69.6580, 98.3880, 23.0920

Conversions

Conversions Part 2

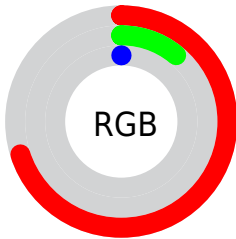
Format	Color
R_{YB}	178, 33, 0
Decimal	11672576
CIE Lab	38.37, 56.85, 51.89
CIE LCh	38, 76.971, 42.384
Yxy	10.2955, 0.6244, 0.3424
Android (android.graphics.Color)	4289862656 (0xFFB21C00)
YUV	69.6580, -34.3414, 95.0159
Hunter-Lab	32.0866, 48.2973, 20.6171

Details

The XYZ color **18.7754, 10.2955, 0.9977** is a dark color, and the websafe version is hex **CC3300**. A complement of this color would be **18.9402, 25.0229, 45.9509**, and the grayscale version is **5.8096, 6.1122, 6.6562**.

A 20% lighter version of the original color is **40.7879, 26.2610, 6.0511**, and **7.0702, 3.6448, 0.3309** is the 20% darker color. If you saturate the color by 10%, you get **18.7756, 10.2960, 0.9978**, and if you desaturate by 10%, it is **19.3319, 11.2367, 1.7138**.

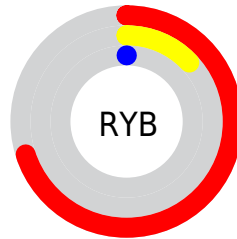
Distribution



Red (70%)

Green (11%)

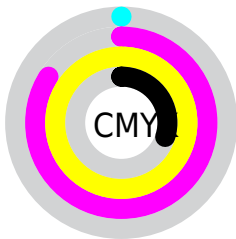
Blue (0%)



Red (70%)

Yellow (13%)

Blue (0%)

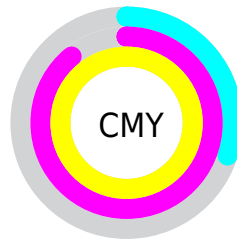


Cyan (0%)

Magenta (84%)

Yellow (100%)

Black (30%)



Cyan (30%)


Magenta (89%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 18.7754, 10.2955, 0.9977 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 18.7754, 10.2955, 0.9977 by changing the saturation by 10% instead.


 18.7754, 10.2955,
0.9977


 18.7754, 10.2955,
0.9977


 238.1680,
192.7683, 104.0941


 11.6111, 5.5953,
0.0000


 40.8740, 26.3498,
6.0538

 6.5498, 2.6006,
0.0000


 56.5391, 38.4728,
11.1521


 3.2260, 0.9270,
0.0000

 75.7686, 53.8388,
18.5220

 1.2744, 0.0000,
0.0000

 98.9277, 72.8322,
28.5820


 0.1639, 0.0000,
0.0000


 126.3818, 95.8375,
41.7507


 0.0000, 0.0000,
0.0000


 158.4963,


123.2390, 58.4466


 195.6366,
155.4211, 79.0882


 18.7754, 10.2955,
0.9977


 18.7754, 10.2955,
0.9977


 18.7756, 10.2960,
0.9978

 19.3319, 11.2367,
1.7138

 20.1861, 12.6172,
3.0089

 21.3952, 14.4922,
5.0865

 22.9943, 16.9035,
8.0461

 25.0143, 19.8884,
11.9721

■ 27.4827, 23.4808,
16.9392

■ 30.4246, 27.7121,
23.0145

■ 33.8633, 32.6112,
30.2596

■ 37.8206, 38.2055,
38.7315

Harmonies

Analogous

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



22.5480, 10.2955, 6.2694



18.7754, 10.2955, 0.9977



13.0033, 10.2955, 0.0000

Triad

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



18.7754, 10.2955, 0.9977



3.1722, 10.2955, 4.7576



12.0026, 10.2955, 65.5980

Complementary

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



18.7754, 10.2955, 0.9977



18.9402, 25.0229, 45.9509

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.



7.1479, 10.2955, 63.5023



18.7754, 10.2955, 0.9977



3.0659, 10.2955, 18.2367

Square

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



18.7754, 10.2955, 0.9977



4.6186, 10.2955, 0.6500



4.2515, 10.2955, 42.0302



17.8308, 10.2955, 46.4802

Rectangle

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



18.7754, 10.2955, 0.9977



9.3899, 10.2955, 0.0000



4.2515, 10.2955, 42.0302



10.1922, 10.2955, 67.6275

Sweetspot

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



18.7756, 10.2961, 0.9978



54.8739, 49.8255, 41.1106



23.9703, 11.7091, 30.4028



11.6450, 10.3038, 8.0446



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.



18.7756, 10.2961, 0.9978



33.9416, 18.4576, 1.7737



24.5709, 21.8868, 2.9296



8.6008, 8.7141, 8.8812



13.4651, 7.4288, 0.7242



0.4569, 0.3002, 0.0339

Inverse Universe

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



18.9402, 25.0229, 45.9509



34.2069, 45.0976, 83.2830



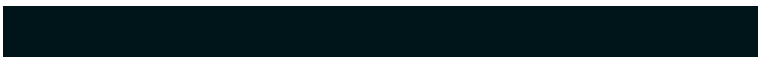
9.7749, 6.6925, 42.8958



8.6265, 9.3992, 10.8659



13.5897, 17.9797, 32.8912



0.4581, 0.6268, 1.0451

Previews

White Background



This preview shows how the XYZ color 18.7754, 10.2955, 0.9977 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 18.7754, 10.2955, 0.9977

Background



This preview shows how black text looks on a background with the XYZ color 18.7754, 10.2955, 0.9977.



This preview shows how white text looks on a background with the XYZ color 18.7754, 10.2955,

0.9977.

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

18.7754, 10.2955, 0.9977

Protanopia

9.5655, 10.5958, 2.3001

Deuteranopia

10.6107, 10.5294, 1.4731



Tritanopia

18.9169, 10.3148, 1.8581

Trichromacy



Original Color

18.7754, 10.2955, 0.9977

Protanomaly

11.4133, 9.0338, 1.5576

Deuteranomaly

12.5957, 9.3854, 1.1477

Tritanomaly

18.8383, 10.2833, 1.4439

Monochromacy



Original Color

18.7754, 10.2955, 0.9977

Achromatopsia

5.8214, 6.1246, 6.6697

Achromatomaly

8.1465, 6.1730, 3.2448

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.7754, 10.2955, 0.9977 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, 28, 0)` looks like.

```
.text, #text, p{  
    color:rgb(178, 28, 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, 28, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 28, 0) }
```

Border

The CSS property to change the border of an element to XYZ 18.7754, 10.2955, 0.9977 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, 28, 0) }
```


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

```
.border{ border-color:rgb(178, 28, 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, 28, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 28, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 28, 0);  
box-shadow:4px 4px 4px 4px rgb(178, 28, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.7754, 10.2955, 0.9977 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 28, 0) }
```

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

```
.background{ background-color: rgb(178, 28,  
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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