

Converting Colors

XYZ(18.9804, 9.9580, 1.1227)

Have a look what the booklet for
XYZ(18.9804, 9.9580, 1.1227)
contains.

XYZ(18.9804, 9.9580, 1.1227)	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(18.9804, 9.9580,
1.1227)**

Conversions

Conversions Part 1

Format	Color
Hex	B40B07
RGB	180, 11, 7
RGB Percent	71%, 4%, 3%
CMY	0.2941, 0.9567, 0.9725
CMYK	0.00, 0.94, 0.96, 0.29
HSL	1°, 93%, 37%
HSV	1°, 96%, 71%
XYZ	18.9804, 9.9580, 1.1227
YIQ	61.0750, 102.0080, 34.5840

Conversions

Conversions Part 2

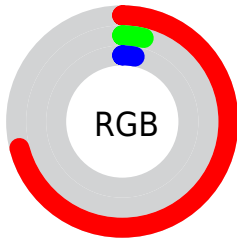
Format	Color
RYB	180, 11, 7
Decimal	11799303
CIELab	37.77, 60.50, 49.17
CIElCh	38, 77.961, 39.103
Yxy	9.9580, 0.6314, 0.3313
Android (android.graphics.Color)	4289989383 (0xFFB40B07)
YUV	61.0750, -26.6590, 104.2972
Hunter-Lab	31.5563, 52.1402, 19.9800

Details

The XYZ color **18.9804, 9.9580, 1.1227** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **23.8446, 34.3781, 48.5585**, and the grayscale version is **4.4752, 4.7083, 5.1273**.

A 20% lighter version of the original color is **41.0911, 25.6954, 6.4084**, and **7.3361, 3.7819, 0.3433** is the 20% darker color. If you saturate the color by 10%, you get **18.8678, 9.7943, 0.8960**, and if you desaturate by 10%, it is **19.4276, 10.6333, 1.9482**.

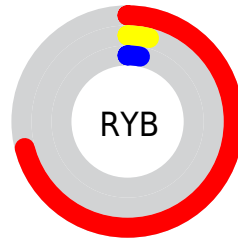
Distribution



Red (71%)

Green (4%)

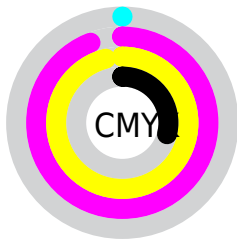
Blue (3%)



Red (71%)

Yellow (4%)

Blue (3%)

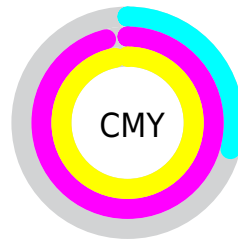


Cyan (0%)

Magenta (94%)

Yellow (96%)

Black (29%)



Cyan (29%)

Magenta (96%)

Yellow (97%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 18.9804, 9.9580, 1.1227 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 18.9804, 9.9580, 1.1227 by changing the saturation by 10% instead.


 18.9804, 9.9580,
1.1227


 18.9804, 9.9580,
1.1227


 239.2807,
190.3720, 106.7789

 11.7600, 5.3711,
0.0000


 41.2181, 25.7165,
6.4622


 6.6515, 2.4666,
0.0000


 56.9662, 37.6569,
11.7634


 3.2895, 0.8598,
0.0000

 76.2875, 52.8172,
19.3770

 1.3087, 0.0000,
0.0000

 99.5475, 71.5819,
29.7214


 0.1897, 0.0000,
0.0000


 127.1114, 94.3353,
43.2153

 0.0000, 0.0000,
0.0000

 159.3447,


121.4619, 60.2772


 196.6127,
153.3460, 81.3255


 18.9804, 9.9580,
1.1227


 18.9804, 9.9580,
1.1227


 18.8678, 9.7943,
0.8960

 19.4276, 10.6333,
1.9482

 20.2428, 11.8467,
3.5052

 21.4852, 13.6814,
5.9232

 23.2023, 16.2053,
9.3021

 25.4355, 19.4775,
13.7281

■ 28.2216, 23.5508,
19.2778

■ 31.5941, 28.4731,
26.0208

■ 35.5837, 34.2888,
34.0208

■ 40.2192, 41.0389,
43.3373

Harmonies

Analogous

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



22.3758, 9.9580, 7.0651



18.9804, 9.9580, 1.1227



13.2970, 9.9580, 0.0000

Triad

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



18.9804, 9.9580, 1.1227



3.0519, 9.9580, 3.7194



11.0577, 9.9580, 66.4916

Complementary

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



18.9804, 9.9580, 1.1227



23.8446, 34.3781, 48.5585

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.



6.4502, 9.9580, 61.7352



18.9804, 9.9580, 1.1227



2.8192, 9.9580, 15.7716

Square

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



18.9804, 9.9580, 1.1227



4.6282, 9.9580, 0.3228



3.8191, 9.9580, 38.8654



16.8577, 9.9580, 48.9386

Rectangle

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



18.9804, 9.9580, 1.1227



9.6152, 9.9580, 0.0000



3.8191, 9.9580, 38.8654



9.3160, 9.9580, 67.6411

Sweetspot

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



18.9806, 9.9586, 1.1228



55.0947, 48.4295, 42.7932



26.8456, 13.0341, 42.7565



11.3576, 9.6640, 8.1490



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.



18.9806, 9.9586, 1.1228



34.1884, 17.7129, 1.6170



23.0785, 18.1543, 2.4888



8.5117, 8.5359, 8.8515



13.1756, 6.8497, 0.6277



0.4198, 0.2260, 0.0215

Inverse Universe

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



23.8446, 34.3781, 48.5585



42.9934, 62.0866, 88.0125



12.0341, 10.7572, 44.6217



8.7253, 9.5969, 10.8988



16.5660, 23.9323, 33.8833



0.5265, 0.7636, 1.0679

Previews

White Background



This preview shows how the XYZ color 18.9804, 9.9580, 1.1227 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 ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 18.9804, 9.9580, 1.1227

Background



This preview shows how black text looks on a background with the XYZ color 18.9804, 9.9580, 1.1227.



This preview shows how white text looks on a background with the XYZ color 18.9804, 9.9580,

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

18.9804, 9.9580, 1.1227

Protanopia

9.3960, 10.3771, 2.4275

Deuteranopia

10.4784, 10.4612, 1.4669



Tritanopia

18.7757, 9.9543, 0.9318

Trichromacy



Original Color

18.9804, 9.9580, 1.1227

Protanomaly

11.0377, 8.2347, 1.5800

Deuteranomaly

12.2279, 8.6235, 1.1062

Tritanomaly

18.7639, 9.9044, 1.0089

Monochromacy



Original Color

18.9804, 9.9580, 1.1227

Achromatopsia

4.4355, 4.6665, 5.0818

Achromatomaly

6.9730, 4.8309, 2.6628

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.9804, 9.9580, 1.1227 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(180, 11, 7)` looks like.

```
.text, #text, p{  
    color:rgb(180, 11, 7)  
}
```

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(180, 11, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 11, 7) }
```

Border

The CSS property to change the border of an element to XYZ 18.9804, 9.9580, 1.1227 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(180, 11, 7) }
```


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

```
.border{ border-color:rgb(180, 11, 7) }
```

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

Here you see how a box with a 4 pixel rgb(180, 11, 7) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 11, 7); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 11, 7);  
box-shadow:4px 4px 4px 4px rgb(180, 11, 7)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.9804, 9.9580, 1.1227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 11, 7) }
```

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

```
.background{ background-color: rgb(180, 11,  
7) }
```

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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