

Converting Colors

XYZ(20.3915, 11.0757, 1.3853)

Have a look what the booklet for
XYZ(20.3915, 11.0757, 1.3853)
contains.

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Color

**XYZ(20.4599, 11.1223,
1.3851)**

Conversions

Conversions Part 1

Format	Color
Hex	B91B0B
RGB	185, 27, 11
RGB Percent	73%, 11%, 4%
CMY	0.2745, 0.8941, 0.9569
CMYK	0.00, 0.85, 0.94, 0.27
HSL	6°, 89%, 38%
HSV	6°, 94%, 73%
XYZ	20.4599, 11.1223, 1.3851
YIQ	72.4180, 99.3040, 28.5200

Conversions

Conversions Part 2

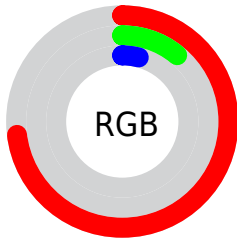
Format	Color
RYB	185, 29, 11
Decimal	12131083
CIELab	39.79, 59.20, 49.49
CIElCh	40, 77.166, 39.897
Yxy	11.1223, 0.6206, 0.3374
Android (android.graphics.Color)	4290321163 (0xFFB91B0B)
YUV	72.4180, -30.2791, 98.7344
Hunter-Lab	33.3501, 51.1449, 20.8826

Details

The XYZ color **20.4599, 11.1223, 1.3851** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **23.0800, 31.9440, 50.8479**, and the grayscale version is **6.2718, 6.5985, 7.1857**.

A 20% lighter version of the original color is **43.5125, 27.7678, 7.2040**, and **8.0260, 4.1376, 0.3756** is the 20% darker color. If you saturate the color by 10%, you get **20.2083, 10.7159, 1.0033**, and if you desaturate by 10%, it is **21.1292, 12.1929, 2.4351**.

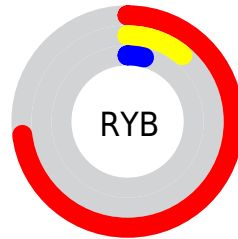
Distribution



Red (73%)

Green (11%)

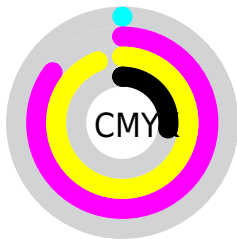
Blue (4%)



Red (73%)

Yellow (11%)

Blue (4%)

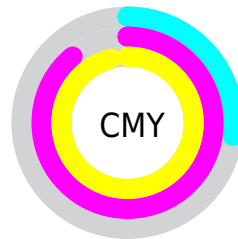


Cyan (0%)

Magenta (85%)

Yellow (94%)

Black (27%)



Cyan (27%)


Magenta (89%)


Yellow (96%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 20.4599, 11.1223, 1.3851 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 20.4599, 11.1223, 1.3851 by changing the saturation by 10% instead.


 20.4599, 11.1223,
1.3851


 20.4599, 11.1223,
1.3851


 247.1805,
198.5047, 111.9496


 12.8400, 6.1492,
0.1301


 43.6850, 27.8861,
7.2789


 7.3947, 2.9360,
0.0000


 60.0209, 40.4455,
12.9722


 3.7587, 1.0984,
0.0000

 79.9928, 56.3025,
21.0545

 1.5665, 0.0000,
0.0000

 103.9661, 75.8415,
31.9443


 0.3704, 0.0000,
0.0000


 132.3062, 99.4468,
46.0602


 0.0000, 0.0000,
0.0000


 165.3784,


127.5028, 63.8206


 203.5480,
160.3940, 85.6443


 20.4599, 11.1223,
1.3851

 20.4599, 11.1223,
1.3851


 20.2083, 10.7159,
1.0033

 21.1292, 12.1929,
2.4351

 22.1890, 13.8237,
4.2953

 23.6882, 16.0786,
7.0871

 25.6682, 19.0121,
10.9115

 28.1656, 22.6730,
15.8562

■ 31.2134, 27.1056,
21.9996

■ 34.8420, 32.3503,
29.4131

■ 39.0794, 38.4452,
38.1625

■ 43.9518, 45.4256,
48.3089

Harmonies

Analogous

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



24.1012, 11.1223, 7.7597



20.4599, 11.1223, 1.3851



14.4697, 11.1223, 0.0000

Triad

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



20.4599, 11.1223, 1.3851



3.6049, 11.1223, 4.6005



12.4189, 11.1223, 69.4972

Complementary

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



20.4599, 11.1223, 1.3851



23.0800, 31.9440, 50.8479

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.



7.4449, 11.1223, 65.2834



20.4599, 11.1223, 1.3851



3.3809, 11.1223, 17.8425

Square

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



20.4599, 11.1223, 1.3851



5.2950, 11.1223, 0.6568



4.5278, 11.1223, 42.0765



18.5352, 11.1223, 51.0610

Rectangle

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



20.4599, 11.1223, 1.3851



10.5898, 11.1223, 0.0000



4.5278, 11.1223, 42.0765



10.5531, 11.1223, 70.8966

Sweetspot

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



20.4601, 11.1230, 1.3853



59.4084, 53.6185, 46.5427



27.4301, 13.4748, 39.4336



12.2218, 10.7122, 8.8399



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.



20.4601, 11.1230, 1.3853



36.1215, 19.0490, 1.7730



25.9174, 22.0374, 3.2043



9.0693, 9.1416, 9.3934



13.7847, 7.3458, 0.6913



0.5083, 0.3036, 0.0318

Inverse Universe

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



23.0800, 31.9440, 50.8479



40.6612, 56.2286, 90.9147



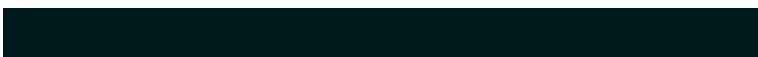
12.0266, 9.8373, 47.1634



9.1941, 10.0655, 11.5377



15.5220, 21.5036, 34.5856



0.5679, 0.7995, 1.2261

Previews

White Background



This preview shows how the XYZ color 20.4599, 11.1223, 1.3851 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 20.4599, 11.1223, 1.3851

Background



This preview shows how black text looks on a background with the XYZ color 20.4599, 11.1223, 1.3851.



This preview shows how white text looks on a background with the XYZ color 20.4599, 11.1223,

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

20.4599, 11.1223, 1.3851

Protanopia

10.3534, 11.3893, 2.6896

Deuteranopia

11.4019, 11.3054, 1.5812



Tritanopia

20.5316, 11.1149, 1.8739

Trichromacy



Original Color

20.4599, 11.1223, 1.3851

Protanomaly

12.3172, 9.5854, 1.9104

Deuteranomaly

13.5307, 9.9524, 1.3227

Tritanomaly

20.4945, 11.1001, 1.6784

Monochromacy



Original Color

20.4599, 11.1223, 1.3851

Achromatopsia

6.1596, 6.4803, 7.0571

Achromatomaly

8.7999, 6.5693, 3.8218

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4599, 11.1223, 1.3851 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(185, 27, 11)` looks like.

```
.text, #text, p{  
    color:rgb(185, 27, 11)  
}
```

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(185, 27, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 27, 11) }
```

Border

The CSS property to change the border of an element to XYZ 20.4599, 11.1223, 1.3851 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(185, 27, 11) }
```


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

```
.border{ border-color:rgb(185, 27, 11) }
```

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

Here you see how a box with a 4 pixel rgb(185, 27, 11) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 27, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 27, 11);  
box-shadow:4px 4px 4px 4px rgb(185, 27,  
11) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4599, 11.1223, 1.3851 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 27, 11) }
```

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

```
.background{ background-color: rgb(185, 27,  
11) }
```

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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