

Converting Colors

XYZ(20.1529, 11.1039, 1.0811)

Have a look what the booklet for
XYZ(20.1529, 11.1039, 1.0811)
contains.

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Color

**XYZ(20.2572, 11.1703,
1.0884)**

Conversions

Conversions Part 1

Format	Color
Hex	B81F00
RGB	184, 31, 0
RGB Percent	72%, 12%, 0%
CMY	0.2784, 0.8784, 1.0000
CMYK	0.00, 0.83, 1.00, 0.28
HSL	10°, 100%, 36%
HSV	10°, 100%, 72%
XYZ	20.2572, 11.1703, 1.0884
YIQ	73.2130, 101.1390, 22.7950

Conversions

Conversions Part 2

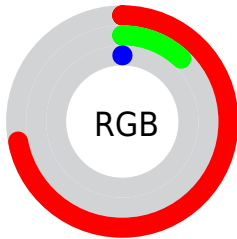
Format	Color
RYB	184, 37, 0
Decimal	12066560
CIELab	39.87, 57.86, 53.24
CIELCh	40, 78.628, 42.616
Yxy	11.1703, 0.6230, 0.3435
Android (android.graphics.Color)	4290256640 (0xFFB81F00)
YUV	73.2130, -36.0940, 97.1602
Hunter-Lab	33.4220, 49.7010, 21.4646

Details

The XYZ color **20.2572, 11.1703, 1.0884** is a dark color, and the websafe version is hex **CC3300**. A complement of this color would be **20.0407, 26.2388, 49.3555**, and the grayscale version is **6.4201, 6.7545, 7.3556**.

A 20% lighter version of the original color is **43.5139, 28.0420, 6.3680**, and **7.8852, 4.0649, 0.3690** is the 20% darker color. If you saturate the color by 10%, you get **20.2574, 11.1710, 1.0885**, and if you desaturate by 10%, it is **20.8688, 12.2138, 1.8472**.

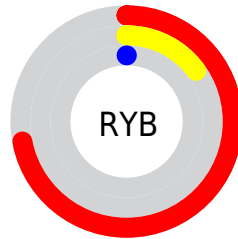
Distribution



Red (72%)

Green (12%)

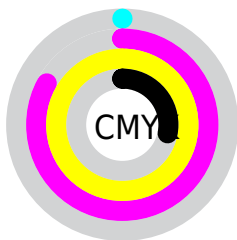
Blue (0%)



Red (72%)

Yellow (15%)

Blue (0%)

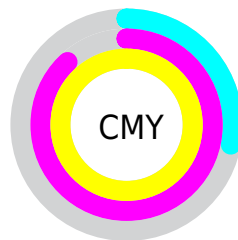


Cyan (0%)

Magenta (83%)

Yellow (100%)

Black (28%)



Cyan (28%)


Magenta (88%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 20.2572, 11.1703, 1.0884 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 20.2572, 11.1703, 1.0884 by changing the saturation by 10% instead.


 20.2572, 11.1703,
1.0884


 20.2572, 11.1703,
1.0884


 246.1112,
198.8322, 106.0585


 12.6915, 6.1815,
0.0000


 43.3486, 27.9747,
6.3516


 7.2920, 2.9558,
0.0000


 59.6051, 40.5590,
11.5983


 3.6933, 1.1087,
0.0000

 79.4891, 56.4440,
19.1465

 1.5301, 0.0000,
0.0000

 103.3662, 76.0140,
29.4147


 0.3462, 0.0000,
0.0000


 131.6016, 99.6534,
42.8214


 0.0000, 0.0000,
0.0000

 164.5606,


127.7467, 59.7853


 202.6087,
160.6781, 80.7248


 20.2572, 11.1703,
1.0884


 20.2572, 11.1703,
1.0884

 20.2574, 11.1710,
1.0885

 20.8688, 12.2138,
1.8472

 21.7994, 13.7257,
3.2343

 23.1091, 15.7632,
5.4643

 24.8349, 18.3698,
8.6450

 27.0096, 21.5845,
12.8680

■ 29.6623, 25.4426,
18.2140

■ 32.8197, 29.9769,
24.7558

■ 36.5066, 35.2178,
32.5599

■ 40.7459, 41.1939,
41.6882

Harmonies

Analogous

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



24.3437, 11.1703, 6.7480



20.2572, 11.1703, 1.0884



14.0375, 11.1703, 0.0000

Triad

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



20.2572, 11.1703, 1.0884



3.4634, 11.1703, 5.2573



13.0544, 11.1703, 70.5323

Complementary

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



20.2572, 11.1703, 1.0884



20.0407, 26.2388, 49.3555

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.



7.8029, 11.1703, 68.4820



20.2572, 11.1703, 1.0884



3.3583, 11.1703, 19.8968

Square

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



20.2572, 11.1703, 1.0884



5.0173, 11.1703, 0.7600



4.6552, 11.1703, 45.5299



19.3304, 11.1703, 49.8870

Rectangle

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



20.2572, 11.1703, 1.0884



10.1495, 11.1703, 0.0000



4.6552, 11.1703, 45.5299



11.0988, 11.1703, 72.7766

Sweetspot

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



20.2574, 11.1710, 1.0886



59.1849, 53.8985, 44.2274



25.5444, 12.5013, 31.3481



12.2225, 10.8510, 8.4168



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.



20.2574, 11.1710, 1.0886



36.6058, 20.0176, 1.9344



26.8088, 24.2737, 3.2723



9.1237, 9.2504, 9.4115



13.9976, 7.7716, 0.7623



0.5316, 0.3502, 0.0396

Inverse Universe

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



20.0407, 26.2388, 49.3555



36.1758, 47.2578, 89.4196



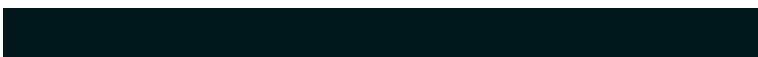
10.3383, 6.8339, 46.1214



9.1344, 9.9460, 11.5178



13.8568, 18.1732, 34.0305



0.5230, 0.7097, 1.2112

Previews

White Background



This preview shows how the XYZ color 20.2572, 11.1703, 1.0884 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

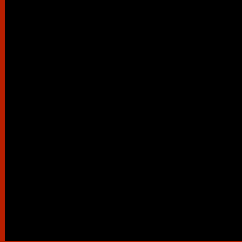
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.2572, 11.1703, 1.0884

Background



This preview shows how black text looks on a background with the XYZ color 20.2572, 11.1703, 1.0884.



This preview shows how white text looks on a background with the XYZ color 20.2572, 11.1703,

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

20.2572, 11.1703, 1.0884

Protanopia

10.4009, 11.5534, 2.4925

Deuteranopia

11.4868, 11.4752, 1.6095



Tritanopia

20.4161, 11.1529, 2.1753

Trichromacy



Original Color

20.2572, 11.1703, 1.0884

Protanomaly

12.3953, 9.8201, 1.6941

Deuteranomaly

13.4558, 10.0959, 1.2395

Tritanomaly

20.3406, 11.1626, 1.6548

Monochromacy



Original Color

20.2572, 11.1703, 1.0884

Achromatopsia

6.3328, 6.6626, 7.2556

Achromatomaly

8.8162, 6.7341, 3.4199

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.2572, 11.1703, 1.0884 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(184, 31, 0)` looks like.

```
.text, #text, p{  
    color:rgb(184, 31, 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(184, 31, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 31, 0) }
```

Border

The CSS property to change the border of an element to XYZ 20.2572, 11.1703, 1.0884 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(184, 31, 0) }
```


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

```
.border{ border-color:rgb(184, 31, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 31, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 31, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 31, 0);  
box-shadow:4px 4px 4px 4px rgb(184, 31, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 20.2572, 11.1703, 1.0884 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 31, 0) }
```

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

```
.background{ background-color: rgb(184, 31,  
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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