

Converting Colors

XYZ(20.3491, 10.4831, 1.2809)

Have a look what the booklet for
XYZ(20.3491, 10.4831, 1.2809)
contains.

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Color

**XYZ(20.3101, 10.4633,
1.2658)**

Conversions

Conversions Part 1

Format	Color
Hex	BA000B
RGB	186, 0, 11
RGB Percent	73%, 0%, 4%
CMY	0.2706, 0.9999, 0.9569
CMYK	0.00, 1.00, 0.94, 0.27
HSL	356°, 100%, 36%
HSV	356°, 100%, 73%
XYZ	20.3101, 10.4633, 1.2658
YIQ	56.8680, 107.3250, 42.8530

Conversions

Conversions Part 2

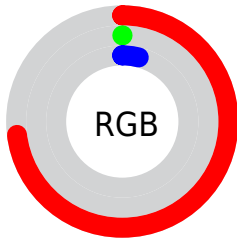
Format	Color
RYB	186, 0, 11
Decimal	12189707
CIELab	38.66, 63.31, 48.94
CIElCh	39, 80.022, 37.701
Yxy	10.4633, 0.6339, 0.3266
Android (android.graphics.Color)	4290379787 (0xFFBA000B)
YUV	56.8680, -22.6129, 113.2488
Hunter-Lab	32.3470, 55.4696, 20.3228

Details

The XYZ color **20.3101, 10.4633, 1.2658** is a dark color, and the websafe version is hex **CC0000**. A complement of this color would be **25.3005, 38.2142, 46.6179**, and the grayscale version is **3.8932, 4.0959, 4.4605**.

A 20% lighter version of the original color is **43.4898, 26.6996, 6.8644**, and **8.0260, 4.1376, 0.3756** is the 20% darker color. If you saturate the color by 10%, you get **20.3097, 10.4631, 1.2647**, and if you desaturate by 10%, it is **20.6920, 10.9788, 2.1591**.

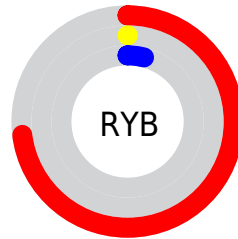
Distribution



Red (73%)

Green (0%)

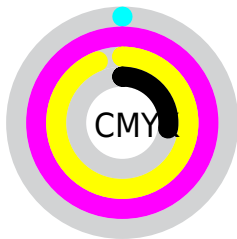
Blue (4%)



Red (73%)

Yellow (0%)

Blue (4%)

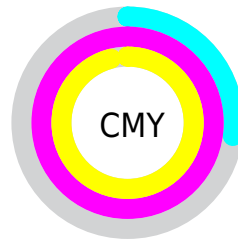


Cyan (0%)

Magenta (100%)

Yellow (94%)

Black (27%)



Cyan (27%)


Magenta (100%)


Yellow (96%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3101, 10.4633, 1.2658 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 20.3101, 10.4633, 1.2658 by changing the saturation by 10% instead.


 20.3101, 10.4633,
1.2658


 20.3101, 10.4633,
1.2658


 246.3907,
193.9475, 109.6678


 12.7302, 5.7072,
0.0335


 43.4365, 26.6633,
6.9137


 7.3188, 2.6679,
0.0000


 59.7137, 38.8761,
12.4338

 3.7103, 0.9609,
0.0000

 79.6207, 54.3432,
20.3093

 1.5396, 0.0000,
0.0000

 103.5229, 73.4490,
30.9588

 0.3525, 0.0000,
0.0000


 131.7857, 96.5779,
44.8009


 0.0000, 0.0000,
0.0000


 164.7743,


124.1144, 62.2541


 202.8542,
156.4428, 83.7369


 20.3101, 10.4633,
1.2658


 20.3101, 10.4633,
1.2658


 20.3097, 10.4631,
1.2647

 20.6920, 10.9788,
2.1591

 21.4118, 11.9743,
3.7684

 22.5674, 13.6162,
6.2167

 24.2133, 15.9894,
9.5976

 26.3962, 19.1658,
13.9921

■ 29.1573, 23.2088,
19.4725

■ 32.5336, 28.1753,
26.1044

■ 36.5593, 34.1175,
33.9484

■ 41.2658, 41.0837,
43.0607

Harmonies

Analogous

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



23.7459, 10.4633, 7.9296



20.3101, 10.4633, 1.2658



14.3068, 10.4633, 0.0000

Triad

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



20.3101, 10.4633, 1.2658



3.2072, 10.4633, 3.5479



11.3657, 10.4633, 71.1381

Complementary

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



20.3101, 10.4633, 1.2658



25.3005, 38.2142, 46.6179

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.



6.5743, 10.4633, 64.8606



20.3101, 10.4633, 1.2658



2.9039, 10.4633, 15.7409

Square

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



20.3101, 10.4633, 1.2658



4.9462, 10.4633, 0.2337



3.8891, 10.4633, 39.9506



17.5181, 10.4633, 53.2349

Rectangle

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



20.3101, 10.4633, 1.2658



10.3571, 10.4633, 0.0000



3.8891, 10.4633, 39.9506



9.5441, 10.4633, 71.9495

Sweetspot

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



20.3103, 10.4640, 1.2659



58.6253, 50.5624, 46.6425



26.2302, 12.4989, 47.4840



12.3139, 10.2566, 9.1023



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



20.3103, 10.4640, 1.2659



36.7850, 18.9540, 2.1453



23.1640, 16.2677, 1.9202



9.0255, 9.0206, 9.4817



13.6736, 7.0432, 0.9022



0.4893, 0.2512, 0.0702

Inverse Universe

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



20.3103, 10.4640, 1.2659



36.7850, 18.9540, 2.1453



13.9573, 13.7334, 48.3691



9.0255, 9.0206, 9.4817



13.6736, 7.0432, 0.9022



0.4893, 0.2512, 0.0702

Previews

White Background



This preview shows how the XYZ color 20.3101, 10.4633, 1.2658 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 20.3101, 10.4633, 1.2658

Background



This preview shows how black text looks on a background with the XYZ color 20.3101, 10.4633, 1.2658.



This preview shows how white text looks on a background with the XYZ color 20.3101, 10.4633,

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

20.3101, 10.4633, 1.2658

Protanopia

10.0380, 11.0925, 2.7106

Deuteranopia

11.0436, 10.9963, 1.5404



Tritanopia

20.2080, 10.7152, 1.0032

Trichromacy



Original Color

20.3101, 10.4633, 1.2658

Protanomaly

11.5922, 8.3580, 1.7613

Deuteranomaly

12.8127, 8.7747, 1.1332

Tritanomaly

20.1492, 10.5624, 1.0916

Monochromacy



Original Color

20.3101, 10.4633, 1.2658

Achromatopsia

3.8890, 4.0915, 4.4557

Achromatomaly

6.7228, 4.3580, 2.4943

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3101, 10.4633, 1.2658 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(186, 0, 11)` looks like.

```
.text, #text, p{  
    color:rgb(186, 0, 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(186, 0, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 0, 11) }
```

Border

The CSS property to change the border of an element to XYZ 20.3101, 10.4633, 1.2658 is called "border". The border property can be set on classes, ids or directly on the HTML element.

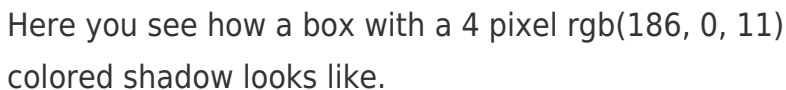
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(186, 0, 11) }
```


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

```
.border{ border-color:rgb(186, 0, 11) }
```

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



Here you see how a box with a 4 pixel `rgb(186, 0, 11)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(186, 0, 11); -webkit-box-shadow:4px 4px 4px 4px rgb(186, 0, 11); box-shadow:4px 4px 4px 4px rgb(186, 0, 11) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3101, 10.4633, 1.2658 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 0, 11) }
```

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

```
.background{ background-color: rgb(186, 0,  
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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