

Converting Colors

XYZ(20.6816, 11.2487, 1.0812)

Have a look what the booklet for
XYZ(20.6816, 11.2487, 1.0812)
contains.

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Color

**XYZ(20.6416, 11.2230,
1.0783)**

Conversions

Conversions Part 1

Format	Color
Hex	BA1B00
RGB	186, 27, 0
RGB Percent	73%, 11%, 0%
CMY	0.2706, 0.8940, 1.0000
CMYK	0.00, 0.85, 1.00, 0.27
HSL	9°, 100%, 36%
HSV	9°, 100%, 73%
XYZ	20.6416, 11.2230, 1.0783
YIQ	71.4630, 103.4310, 25.3110

Conversions

Conversions Part 2

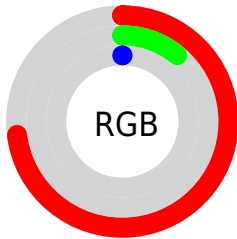
Format	Color
RYB	186, 32, 0
Decimal	12196608
CIELab	39.95, 59.36, 53.52
CIELCh	40, 79.929, 42.038
Yxy	11.2230, 0.6266, 0.3407
Android (android.graphics.Color)	4290386688 (0xFFBA1B00)
YUV	71.4630, -35.2313, 100.4489
Hunter-Lab	33.5007, 51.3571, 21.5421

Details

The XYZ color **20.6416, 11.2230, 1.0783** is a dark color, and the websafe version is hex **CC3300**. A complement of this color would be **21.2576, 28.3348, 50.8026**, and the grayscale version is **6.1151, 6.4336, 7.0061**.

A 20% lighter version of the original color is **44.0597, 28.0695, 6.3446**, and **8.1684, 4.2110, 0.3823** is the 20% darker color. If you saturate the color by 10%, you get **20.6418, 11.2237, 1.0784**, and if you desaturate by 10%, it is **21.2245, 12.2064, 1.8358**.

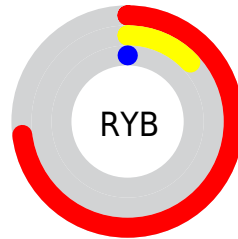
Distribution



Red (73%)

Green (11%)

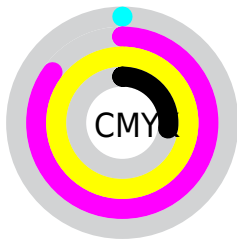
Blue (0%)



Red (73%)

Yellow (13%)

Blue (0%)

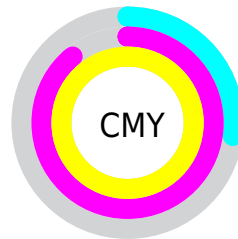


Cyan (0%)

Magenta (85%)

Yellow (100%)

Black (27%)



Cyan (27%)


Magenta (89%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 20.6416, 11.2230, 1.0783 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 20.6416, 11.2230, 1.0783 by changing the saturation by 10% instead.


 20.6416, 11.2230,
1.0783


 20.6416, 11.2230,
1.0783


 248.1355,
199.1911, 105.8441


 12.9732, 6.2170,
0.0000


 43.9861, 28.0718,
6.3188


 7.4870, 2.9775,
0.0000


 60.3929, 40.6834,
11.5493


 3.8175, 1.1200,
0.0000

 80.4433, 56.5991,
19.0780

 1.5994, 0.0000,
0.0000

 104.5025, 76.2031,
29.3235

 0.3920, 0.0000,
0.0000


 132.9360, 99.8799,
42.7043


 0.0000, 0.0000,
0.0000


 166.1091,


128.0139, 59.6390


 204.3872,
160.9896, 80.5461


 20.6416, 11.2230,
1.0783


 20.6416, 11.2230,
1.0783


 20.6418, 11.2237,
1.0784

 21.2245, 12.2064,
1.8358

 22.1410, 13.6827,
3.2409

 23.4550, 15.7158,
5.5130

 25.2069, 18.3546,
8.7637

 27.4319, 21.6426,
13.0875

■ 30.1615, 25.6192,
18.5680

■ 33.4245, 30.3207,
25.2802

■ 37.2475, 35.7808,
33.2932

■ 41.6552, 42.0312,
42.6705

Harmonies

Analogous

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



24.7645, 11.2230, 6.9167



20.6416, 11.2230, 1.0783



14.2833, 11.2230, 0.0000

Triad

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



20.6416, 11.2230, 1.0783



3.4248, 11.2230, 5.0427



13.0355, 11.2230, 72.4969

Complementary

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



20.6416, 11.2230, 1.0783



21.2576, 28.3348, 50.8026

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.



7.7194, 11.2230, 69.8671



20.6416, 11.2230, 1.0783



3.2935, 11.2230, 19.7125

Square

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



20.6416, 11.2230, 1.0783



5.0248, 11.2230, 0.6658



4.5701, 11.2230, 45.9294



19.4614, 11.2230, 51.5063

Rectangle

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



20.6416, 11.2230, 1.0783



10.2944, 11.2230, 0.0000



4.5701, 11.2230, 45.9294



11.0488, 11.2230, 74.6438

Sweetspot

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



20.6418, 11.2237, 1.0785



60.2673, 54.5035, 45.1636



26.7001, 13.0192, 34.9161



12.6978, 11.1774, 8.7592



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.



20.6418, 11.2237, 1.0785



37.3104, 20.1348, 1.9199



26.7043, 23.3487, 3.0993



9.1071, 9.2171, 9.4060



13.9218, 7.6199, 0.7370



0.5245, 0.3360, 0.0372

Inverse Universe

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



21.2576, 28.3348, 50.8026



38.3921, 51.0808, 92.0375



10.9421, 7.7036, 47.3641



9.1525, 9.9823, 11.5238



14.3440, 19.1477, 34.1929



0.5363, 0.7363, 1.2156

Previews

White Background



This preview shows how the XYZ color 20.6416, 11.2230, 1.0783 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 20.6416, 11.2230, 1.0783

Background



This preview shows how black text looks on a background with the XYZ color 20.6416, 11.2230, 1.0783.



This preview shows how white text looks on a background with the XYZ color 20.6416, 11.2230,

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

20.6416, 11.2230, 1.0783

Protanopia

10.5219, 11.6157, 2.4981

Deuteranopia

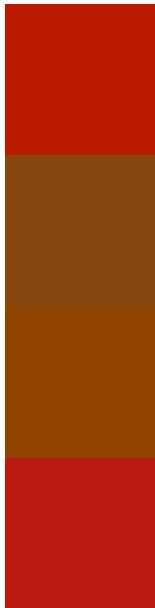
11.6262, 11.5471, 1.6160



Tritanopia

20.7737, 11.2398, 1.8852

Trichromacy



Original Color

20.6416, 11.2230, 1.0783

Protanomaly

12.4928, 9.7752, 1.6803

Deuteranomaly

13.7442, 10.1540, 1.2355

Tritanomaly

20.7053, 11.2124, 1.5249

Monochromacy



Original Color

20.6416, 11.2230, 1.0783

Achromatopsia

5.9891, 6.3010, 6.8618

Achromatomaly

8.6499, 6.4325, 3.2683

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.6416, 11.2230, 1.0783 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, 27, 0)` looks like.

```
.text, #text, p{  
    color:rgb(186, 27, 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(186, 27, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 27, 0) }
```

Border

The CSS property to change the border of an element to XYZ 20.6416, 11.2230, 1.0783 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, 27, 0) }
```


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

```
.border{ border-color:rgb(186, 27, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 27, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 27, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 27, 0);  
box-shadow:4px 4px 4px 4px rgb(186, 27, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 20.6416, 11.2230, 1.0783 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 27, 0) }
```

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

```
.background{ background-color: rgb(186, 27,  
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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