

Converting Colors

XYZ(20.8974, 11.6803, 1.1531)

Have a look what the booklet for
XYZ(20.8974, 11.6803, 1.1531)
contains.

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Color

**XYZ(20.8507, 11.6412,
1.1480)**

Conversions

Conversions Part 1

Format	Color
Hex	BA2300
RGB	186, 35, 0
RGB Percent	73%, 14%, 0%
CMY	0.2706, 0.8627, 1.0000
CMYK	0.00, 0.81, 1.00, 0.27
HSL	11°, 100%, 36%
HSV	11°, 100%, 73%
XYZ	20.8507, 11.6412, 1.1480
YIQ	76.1590, 101.2310, 21.1270

Conversions

Conversions Part 2

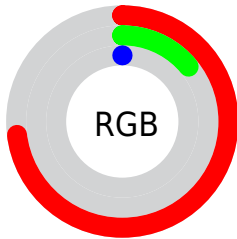
Format	Color
R _Y B	186, 43, 0
Decimal	12198656
CIE Lab	40.64, 57.41, 53.80
CIE LCh	41, 78.682, 43.138
Yxy	11.6412, 0.6198, 0.3461
Android (android.graphics.Color)	4290388736 (0xFFBA2300)
YUV	76.1590, -37.5464, 96.3306
Hunter-Lab	34.1192, 49.3751, 21.8885

Details

The XYZ color **20.8507, 11.6412, 1.1480** is a dark color, and the websafe version is hex **CC3300**. A complement of this color would be **19.9270, 25.6734, 50.3591**, and the grayscale version is **6.9537, 7.3158, 7.9670**.

A 20% lighter version of the original color is **44.5185, 28.9507, 6.6098**, and **8.1684, 4.2110, 0.3823** is the 20% darker color. If you saturate the color by 10%, you get **20.8509, 11.6419, 1.1481**, and if you desaturate by 10%, it is **21.5091, 12.7756, 1.9306**.

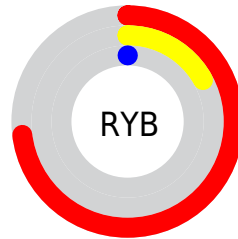
Distribution



Red (73%)

Green (14%)

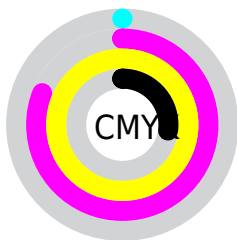
Blue (0%)



Red (73%)

Yellow (17%)

Blue (0%)

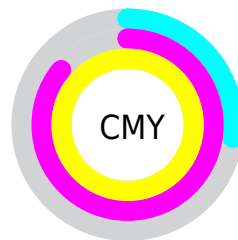


Cyan (0%)

Magenta (81%)

Yellow (100%)

Black (27%)



Cyan (27%)


Magenta (86%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 20.8507, 11.6412, 1.1480 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 20.8507, 11.6412, 1.1480 by changing the saturation by 10% instead.


 20.8507, 11.6412,
1.1480


 20.8507, 11.6412,
1.1480


 249.2307,
202.0152, 107.3030


 13.1268, 6.4999,
0.0000


 44.3321, 28.8399,
6.5432


 7.5935, 3.1513,
0.0000


 60.8202, 41.6661,
11.8841

 3.8856, 1.2112,
0.0000

 80.9605, 57.8226,
19.5452

 1.6376, 0.0709,
0.0000

 105.1182, 77.6940,
29.9451

 0.4167, 0.0000,
0.0000


 133.6587,
101.6645, 43.5022


 0.0000, 0.0000,
0.0000


 166.9474,


130.1187, 60.6353


 205.3496,
163.4408, 81.7627


 20.8507, 11.6412,
1.1480


 20.8507, 11.6412,
1.1480


 20.8509, 11.6419,
1.1481

 21.5091, 12.7756,
1.9306

 22.4890, 14.3788,
3.3569

 23.8498, 16.5054,
5.6447

 25.6282, 19.1971,
8.9041

 27.8561, 22.4909,
13.2289

■ 30.5624, 26.4210,
18.7017

■ 33.7735, 31.0187,
25.3966

■ 37.5137, 36.3132,
33.3820

■ 41.8058, 42.3322,
42.7208

Harmonies

Analogous

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



25.0942, 11.6412, 6.9088



20.8507, 11.6412, 1.1480



14.4668, 11.6412, 0.0000

Triad

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



20.8507, 11.6412, 1.1480



3.6597, 11.6412, 5.7035



13.6787, 11.6412, 72.0441

Complementary

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



20.8507, 11.6412, 1.1480



19.9270, 25.6734, 50.3591

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.



8.2426, 11.6412, 70.4155



20.8507, 11.6412, 1.1480



3.5743, 11.6412, 20.9926

Square

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



20.8507, 11.6412, 1.1480



5.2433, 11.6412, 0.8847



4.9502, 11.6412, 47.2849



20.1098, 11.6412, 50.7523

Rectangle

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



20.8507, 11.6412, 1.1480



10.4892, 11.6412, 0.0000



4.9502, 11.6412, 47.2849



11.6607, 11.6412, 74.4788

Sweetspot

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



20.8509, 11.6419, 1.1482



60.9057, 55.7805, 45.3764



25.9087, 12.7027, 30.7489



12.8484, 11.4785, 8.8094



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.



20.8509, 11.6419, 1.1482



37.6654, 20.8447, 2.0382



27.8517, 25.6435, 3.4818



9.1378, 9.2785, 9.4162



14.0697, 7.9157, 0.7863



0.5376, 0.3622, 0.0416

Inverse Universe

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



19.9270, 25.6734, 50.3591



35.9506, 46.1979, 91.2237



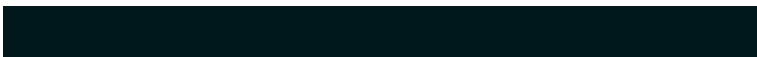
10.4217, 6.6628, 47.1906



9.1191, 9.9154, 11.5127



13.4578, 17.3753, 33.8975



0.5120, 0.6878, 1.2075

Previews

White Background



This preview shows how the XYZ color 20.8507, 11.6412, 1.1480 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 20.8507, 11.6412, 1.1480

Background



This preview shows how black text looks on a background with the XYZ color 20.8507, 11.6412, 1.1480.



This preview shows how white text looks on a background with the XYZ color 20.8507, 11.6412,

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

20.8507, 11.6412, 1.1480

Protanopia

10.7262, 11.8585, 2.4827

Deuteranopia

11.8532, 11.7919, 1.6513



Tritanopia

21.0543, 11.6311, 2.5018

Trichromacy



Original Color

20.8507, 11.6412, 1.1480

Protanomaly

12.8446, 10.2476, 1.7165

Deuteranomaly

13.9303, 10.5262, 1.2976

Tritanomaly

20.9480, 11.6337, 1.8033

Monochromacy



Original Color

20.8507, 11.6412, 1.1480

Achromatopsia

6.8694, 7.2272, 7.8704

Achromatomaly

9.4047, 7.2639, 3.7027

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8507, 11.6412, 1.1480 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, 35, 0)` looks like.

```
.text, #text, p{  
    color:rgb(186, 35, 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, 35, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 35, 0) }
```

Border

The CSS property to change the border of an element to XYZ 20.8507, 11.6412, 1.1480 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, 35, 0) }
```


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

```
.border{ border-color:rgb(186, 35, 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, 35, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 35, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 35, 0);  
box-shadow:4px 4px 4px 4px rgb(186, 35, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 20.8507, 11.6412, 1.1480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 35, 0) }
```

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

```
.background{ background-color: rgb(186, 35,  
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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