

Converting Colors

XYZ(20.2454, 11.7807, 0.1686)

Have a look what the booklet for
XYZ(20.2454, 11.7807, 0.1686)
contains.

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Color

**XYZ(20.4291, 11.8686,
1.2141)**

Conversions

Conversions Part 1

Format	Color
Hex	B72C00
RGB	183, 44, 0
RGB Percent	72%, 17%, 0%
CMY	0.2824, 0.8274, 1.0000
CMYK	0.00, 0.76, 1.00, 0.28
HSL	14°, 100%, 36%
HSV	14°, 100%, 72%
XYZ	20.4291, 11.8686, 1.2141
YIQ	80.5450, 96.9680, 15.7840

Conversions

Conversions Part 2

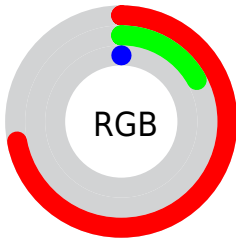
Format	Color
R_{YB}	183, 58, 0
Decimal	12004352
CIE _{Lab}	41.01, 53.79, 53.61
CIE _{LCh}	41, 75.940, 44.902
Yxy	11.8686, 0.6096, 0.3542
Android (android.graphics.Color)	4290194432 (0xFFB72C00)
YUV	80.5450, -39.7087, 89.8530
Hunter-Lab	34.4508, 45.5603, 22.0261

Details

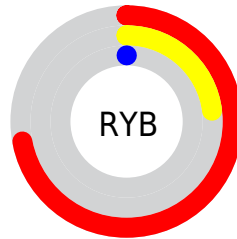
The XYZ color **20.4291, 11.8686, 1.2141** is a dark color, and the websafe version is hex **CC3300**. A complement of this color would be **17.7783, 21.8811, 48.0858**, and the grayscale version is **7.7945, 8.2004, 8.9303**.

A 20% lighter version of the original color is **43.6541, 29.3386, 6.7302**, and **7.7457, 3.9931, 0.3625** is the 20% darker color. If you saturate the color by 10%, you get **20.4293, 11.8693, 1.2143**, and if you desaturate by 10%, it is **21.1484, 13.1288, 2.0047**.

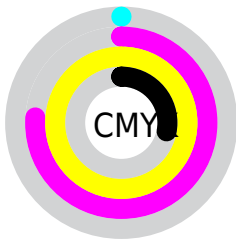
Distribution



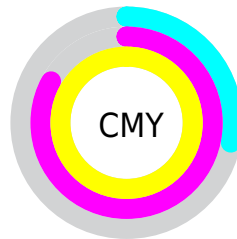
- Red (72%)
- Green (17%)
- Blue (0%)



- Red (72%)
- Yellow (23%)
- Blue (0%)



- Cyan (0%)
- Magenta (76%)
- Yellow (100%)
- Black (28%)





- Cyan (28%)
- Magenta (83%)
- Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 20.4291, 11.8686, 1.2141 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 20.4291, 11.8686, 1.2141 by changing the saturation by 10% instead.


 20.4291, 11.8686,
1.2141


 20.4291, 11.8686,
1.2141


 247.0182,
203.5334, 108.6446


 12.8174, 6.6543,
0.0000


 43.6339, 29.2556,
6.7524


 7.3791, 3.2468,
0.0000


 59.9578, 42.1970,
12.1949


 3.7487, 1.2619,
0.0000

 79.9164, 58.4829,
19.9777

 1.5610, 0.1114,
0.0000

 103.8751, 78.4977,
30.5193

 0.3668, 0.0000,
0.0000


 132.1993,
102.6257, 44.2382


 0.0000, 0.0000,
0.0000


 165.2543,


131.2514, 61.5531


 203.4055,
164.7592, 82.8824


 20.4291, 11.8686,
1.2141


 20.4291, 11.8686,
1.2141


 20.4293, 11.8693,
1.2143

 21.1484, 13.1288,
2.0047

 22.1609, 14.8082,
3.4078

 23.5199, 16.9510,
5.6341

 25.2570, 19.5898,
8.7882

 27.3999, 22.7544,
12.9589

■ 29.9735, 26.4719,
18.2246

■ 33.0007, 30.7675,
24.6560

■ 36.5027, 35.6649,
32.3176

■ 40.4992, 41.1863,
41.2694

Harmonies

Analogous

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



24.7071, 11.8686, 6.6490



20.4291, 11.8686, 1.2141



14.2302, 11.8686, 0.0000

Triad

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



20.4291, 11.8686, 1.2141



3.8961, 11.8686, 6.5856



14.1899, 11.8686, 68.8611

Complementary

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



20.4291, 11.8686, 1.2141



17.7783, 21.8811, 48.0858

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.



8.7699, 11.8686, 68.7802



20.4291, 11.8686, 1.2141



3.8916, 11.8686, 22.2580

Square

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



20.4291, 11.8686, 1.2141



5.3913, 11.8686, 1.1992



5.3758, 11.8686, 47.6958



20.3915, 11.8686, 47.8691

Rectangle

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



20.4291, 11.8686, 1.2141



10.4104, 11.8686, 0.0000



5.3758, 11.8686, 47.6958



12.1983, 11.8686, 71.6368

Sweetspot

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



20.4294, 11.8693, 1.2143



58.8157, 54.6981, 43.5367



24.2840, 11.9695, 25.9574



12.4688, 11.3434, 8.4988



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.



20.4294, 11.8693, 1.2143



36.4399, 20.9599, 2.1251



28.0810, 27.1726, 3.7648



9.1753, 9.3536, 9.4287



14.2977, 8.3718, 0.8623



0.5535, 0.3940, 0.0469

Inverse Universe

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



17.7783, 21.8811, 48.0858



31.6529, 38.8131, 86.0591



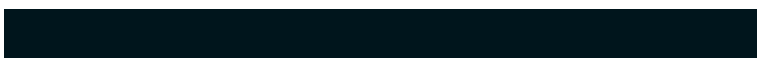
9.6372, 5.5988, 45.3721



9.0787, 9.8347, 11.4992



12.4578, 15.3753, 33.5642



0.4840, 0.6317, 1.1982

Previews

White Background



This preview shows how the XYZ color 20.4291, 11.8686, 1.2141 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 20.4291, 11.8686, 1.2141

Background



This preview shows how black text looks on a background with the XYZ color 20.4291, 11.8686, 1.2141.



This preview shows how white text looks on a background with the XYZ color 20.4291, 11.8686,

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

20.4291, 11.8686, 1.2141

Protanopia

10.9334, 12.1045, 2.4696

Deuteranopia

12.0827, 12.0397, 1.6871



Tritanopia

20.9780, 11.9434, 3.3901

Trichromacy



Original Color

20.4291, 11.8686, 1.2141

Protanomaly

13.1136, 10.7962, 1.7735

Deuteranomaly

14.1931, 11.0519, 1.3852

Tritanomaly

20.7930, 11.9254, 2.2428

Monochromacy



Original Color

20.4291, 11.8686, 1.2141

Achromatopsia

7.8210, 8.2283, 8.9606

Achromatomaly

10.1582, 8.2337, 4.3027

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4291, 11.8686, 1.2141 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(183, 44, 0)` looks like.

```
.text, #text, p{  
    color:rgb(183, 44, 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(183, 44, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 44, 0) }
```

Border

The CSS property to change the border of an element to XYZ 20.4291, 11.8686, 1.2141 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(183, 44, 0) }
```


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

```
.border{ border-color:rgb(183, 44, 0) }
```

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

Here you see how a box with a 4 pixel rgb(183, 44, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 44, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 44, 0);  
box-shadow:4px 4px 4px 4px rgb(183, 44, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 20.4291, 11.8686, 1.2141 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 44, 0) }
```

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

```
.background{ background-color: rgb(183, 44,  
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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