

Converting Colors

XYZ(20.5641, 12.4989, 0.0000)

Have a look what the booklet for
XYZ(20.5641, 12.4989, 0.0000)
contains.

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Color

**XYZ(20.8015, 12.6135,
1.3383)**

Conversions

Conversions Part 1

Format	Color
Hex	B73500
RGB	183, 53, 0
RGB Percent	72%, 21%, 0%
CMY	0.2824, 0.7921, 1.0000
CMYK	0.00, 0.71, 1.00, 0.28
HSL	17°, 100%, 36%
HSV	17°, 100%, 72%
XYZ	20.8015, 12.6135, 1.3383
YIQ	85.8280, 94.4930, 11.0770

Conversions

Conversions Part 2

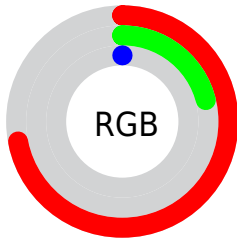
Format	Color
RYB	183, 75, 0
Decimal	12006656
CIELab	42.18, 50.56, 54.15
CIELCh	42, 74.083, 46.961
Yxy	12.6135, 0.5985, 0.3629
Android (android.graphics.Color)	4290196736 (0xFFB73500)
YUV	85.8280, -42.3132, 85.2198
Hunter-Lab	35.5155, 42.3957, 22.6267

Details

The XYZ color **20.8015, 12.6135, 1.3383** is a dark color, and the websafe version is hex **CC3300**. A complement of this color would be **16.5287, 19.3819, 47.6692**, and the grayscale version is **8.8826, 9.3452, 10.1769**.

A 20% lighter version of the original color is **44.3051, 30.5654, 7.1790**, and **7.8852, 4.0649, 0.3690** is the 20% darker color. If you saturate the color by 10%, you get **20.8017, 12.6141, 1.3384**, and if you desaturate by 10%, it is **21.5886, 14.0093, 2.1515**.

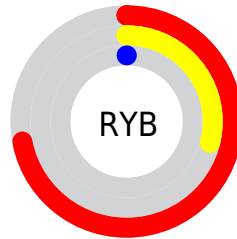
Distribution



Red (72%)

Green (21%)

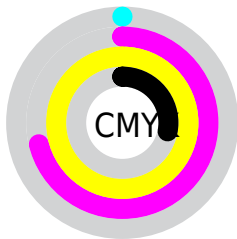
Blue (0%)



Red (72%)

Yellow (29%)

Blue (0%)

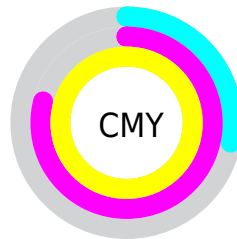


Cyan (0%)

Magenta (71%)

Yellow (100%)

Black (28%)



Cyan (28%)


Magenta (79%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.8015, 12.6135, 1.3383 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 20.8015, 12.6135, 1.3383 by changing the saturation by 10% instead.


 20.8015, 12.6135,
1.3383


 20.8015, 12.6135,
1.3383

 248.9734,
208.4256, 111.0670


 13.0906, 7.1629,
0.0929


 44.2507, 30.6077,
7.1368


 7.5684, 3.5642,
0.0000


 60.7197, 43.9200,
12.7630


 3.8695, 1.4329,
0.0000

 80.8389, 60.6218,
20.7653

 1.6286, 0.2408,
0.0000

 104.9735, 81.0974,
31.5623


 0.4109, 0.0000,
0.0000


 133.4889,
105.7312, 45.5724


 0.0000, 0.0000,
0.0000


 166.7504,


134.9075, 63.2142


 205.1235,
169.0109, 84.9062


 20.8015, 12.6135,
1.3383


 20.8015, 12.6135,
1.3383


 20.8017, 12.6141,
1.3384

 21.5886, 14.0093,
2.1515

 22.6525, 15.7914,
3.5718

 24.0432, 17.9976,
5.8088

 25.7897, 20.6553,
8.9661

 27.9173, 23.7893,
13.1318

■ 30.4488, 27.4224,
18.3836

■ 33.4050, 31.5759,
24.7913

■ 36.8052, 36.2698,
32.4191

■ 40.6676, 41.5230,
41.3264

Harmonies

Analogous

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



25.2951, 12.6135, 6.6320



20.8015, 12.6135, 1.3383



14.5495, 12.6135, 0.0380

Triad

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



20.8015, 12.6135, 1.3383



4.3305, 12.6135, 7.9485



15.3633, 12.6135, 68.2486

Complementary

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



20.8015, 12.6135, 1.3383



16.5287, 19.3819, 47.6692

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.



9.7476, 12.6135, 69.8300



20.8015, 12.6135, 1.3383



4.4267, 12.6135, 24.6613

Square

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



20.8015, 12.6135, 1.3383



5.7788, 12.6135, 1.6749



6.1006, 12.6135, 50.1433



21.5527, 12.6135, 46.7327

Rectangle

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



20.8015, 12.6135, 1.3383



10.7466, 12.6135, 0.0000



6.1006, 12.6135, 50.1433



13.3231, 12.6135, 71.5002

Sweetspot

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



20.8018, 12.6143, 1.3385



59.5469, 56.1604, 43.7804



23.6351, 11.7100, 22.5406



12.6433, 11.6924, 8.5570



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.



20.8018, 12.6143, 1.3385



37.0845, 22.2490, 2.3399



29.4033, 29.8173, 4.2057



9.2109, 9.4247, 9.4406



14.5639, 8.9042, 0.9511



0.5684, 0.4240, 0.0519

Inverse Universe

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



16.5287, 19.3819, 47.6692



29.3950, 34.2973, 85.3065



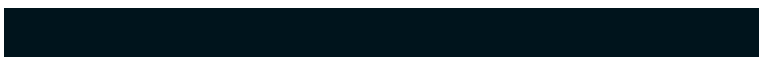
9.2943, 4.9131, 45.2577



9.0410, 9.7592, 11.4866



11.5920, 13.6436, 33.2756



0.4590, 0.5817, 1.1898

Previews

White Background



This preview shows how the XYZ color 20.8015, 12.6135, 1.3383 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 20.8015, 12.6135, 1.3383

Background



This preview shows how black text looks on a background with the XYZ color 20.8015, 12.6135, 1.3383.



This preview shows how white text looks on a background with the XYZ color 20.8015, 12.6135,

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

20.8015, 12.6135, 1.3383

Protanopia

11.5900, 12.8686, 2.5348

Deuteranopia

12.9353, 12.8778, 1.8039



Tritanopia

21.4630, 12.6260, 4.4378

Trichromacy



Original Color

20.8015, 12.6135, 1.3383

Protanomaly

13.7242, 11.7730, 1.9298

Deuteranomaly

14.9013, 11.9404, 1.5193

Tritanomaly

21.1685, 12.5758, 2.6782

Monochromacy



Original Color

20.8015, 12.6135, 1.3383

Achromatopsia

8.8453, 9.3059, 10.1341

Achromatomaly

11.0235, 9.2383, 4.8166

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8015, 12.6135, 1.3383 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, 53, 0)` looks like.

```
.text, #text, p{  
    color:rgb(183, 53, 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, 53, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 53, 0) }
```

Border

The CSS property to change the border of an element to XYZ 20.8015, 12.6135, 1.3383 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, 53, 0) }
```


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

```
.border{ border-color:rgb(183, 53, 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, 53, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 53, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 53, 0);  
box-shadow:4px 4px 4px 4px rgb(183, 53, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 20.8015, 12.6135, 1.3383 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 53, 0) }
```

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

```
.background{ background-color: rgb(183, 53,  
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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