

Converting Colors

XYZ(20.6986, 13.9713, 1.6058)

Have a look what the booklet for
XYZ(20.6986, 13.9713, 1.6058)
contains.

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Color

**XYZ(20.6133, 13.9715,
1.6103)**

Conversions

Conversions Part 1

Format	Color
Hex	B24700
RGB	178, 71, 0
RGB Percent	70%, 28%, 0%
CMY	0.3020, 0.7215, 1.0000
CMYK	0.00, 0.60, 1.00, 0.30
HSL	24°, 100%, 35%
HSV	24°, 100%, 70%
XYZ	20.6133, 13.9715, 1.6103
YIQ	94.8990, 86.5630, 0.6030

Conversions

Conversions Part 2

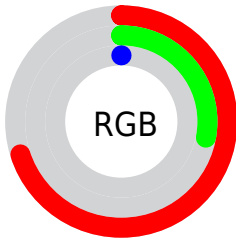
Format	Color
R_{YB}	178, 118, 0
Decimal	11683584
CIE Lab	44.19, 40.96, 54.69
CIE LCh	44, 68.323, 53.170
Yxy	13.9715, 0.5695, 0.3860
Android (android.graphics.Color)	4289873664 (0xFFB24700)
YUV	94.8990, -46.7852, 72.8796
Hunter-Lab	37.3785, 33.0260, 23.6107

Details

The XYZ color **20.6133, 13.9715, 1.6103** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **13.2928, 13.7284, 44.0682**, and the grayscale version is **10.9477, 11.5178, 12.5429**.

A 20% lighter version of the original color is **44.0971, 33.1621, 7.9476**, and **7.5366, 4.1828, 0.4101** is the 20% darker color. If you saturate the color by 10%, you get **20.6135, 13.9721, 1.6104**, and if you desaturate by 10%, it is **21.4627, 15.4983, 2.4241**.

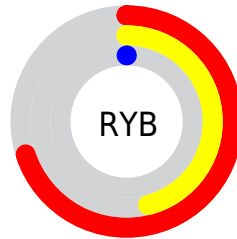
Distribution



Red (70%)

Green (28%)

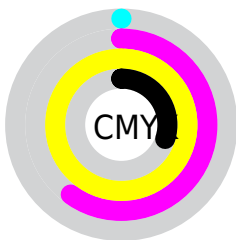
Blue (0%)



Red (70%)

Yellow (46%)

Blue (0%)

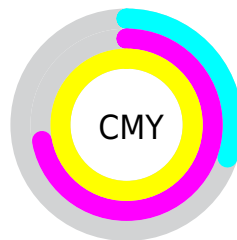


Cyan (0%)

Magenta (60%)

Yellow (100%)

Black (30%)



Cyan (30%)


Magenta (72%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 20.6133, 13.9715, 1.6103 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 20.6133, 13.9715, 1.6103 by changing the saturation by 10% instead.


 20.6133, 13.9715,
1.6103


 20.6133, 13.9715,
1.6103


 247.9870,
217.0535, 115.9977


 12.9525, 8.1008,
0.2982


 43.9392, 33.0385,
7.9451


 7.4726, 4.1595,
0.0000


 60.3350, 47.0035,
13.9464


 3.8083, 1.7632,
0.0000

 80.3732, 64.4356,
22.3951

 1.5943, 0.4641,
0.0000

 104.4191, 85.7189,
33.7097

 0.3887, 0.0000,
0.0000


 132.8380,
111.2380, 48.3087


 0.0000, 0.0000,
0.0000


 165.9954,


141.3772, 66.6107


 204.2566,
176.5209, 89.0341


 20.6133, 13.9715,
1.6103


 20.6133, 13.9715,
1.6103

 20.6135, 13.9721,
1.6104

 21.4627, 15.4983,
2.4241

 22.5347, 17.3147,
3.7917

 23.8725, 19.4471,
5.9123

 25.4990, 21.9130,
8.8809

 27.4341, 24.7281,
12.7786

■ 29.6956, 27.9069,
17.6767

■ 32.3000, 31.4631,
23.6394

■ 35.2622, 35.4093,
30.7256

■ 38.5966, 39.7578,
38.9898

Harmonies

Analogous

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



25.4479, 13.9715, 6.1887



20.6133, 13.9715, 1.6103



14.5666, 13.9715, 0.5841

Triad

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



20.6133, 13.9715, 1.6103



5.3491, 13.9715, 11.9119



17.8498, 13.9715, 62.9263

Complementary

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



20.6133, 13.9715, 1.6103



13.2928, 13.7284, 44.0682

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.



12.0705, 13.9715, 68.7951



20.6133, 13.9715, 1.6103



5.7812, 13.9715, 30.3610

Square

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



20.6133, 13.9715, 1.6103



6.5279, 13.9715, 3.3747



7.9312, 13.9715, 54.1605



23.5711, 13.9715, 41.2662

Rectangle

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



20.6133, 13.9715, 1.6103



11.0297, 13.9715, 0.6758



7.9312, 13.9715, 54.1605



15.8161, 13.9715, 67.2292

Sweetspot

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



20.6136, 13.9723, 1.6105



58.3133, 56.7043, 42.2571



21.1617, 10.5856, 15.6133



12.4690, 11.9517, 8.3193



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



20.6136, 13.9723, 1.6105



37.1715, 24.9172, 2.8504



30.4563, 33.6576, 4.8914



8.7653, 9.0431, 8.9360



14.8074, 10.1134, 1.1716



0.5238, 0.4339, 0.0561

Inverse Universe

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



13.2928, 13.7284, 44.0682



23.8752, 24.4342, 79.8391



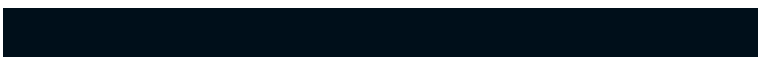
8.2997, 3.7422, 42.4038



8.4525, 9.0513, 10.8079



9.5740, 9.9483, 31.5526



0.3564, 0.4233, 1.0112

Previews

White Background



This preview shows how the XYZ color 20.6133, 13.9715, 1.6103 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



This preview shows how the XYZ color 20.6133, 13.9715, 1.6103 looks on a 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 20.6133, 13.9715, 1.6103

Background



This preview shows how black text looks on a background with the XYZ color 20.6133, 13.9715, 1.6103.



This preview shows how white text looks on a background with the XYZ color 20.6133, 13.9715,

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

20.6133, 13.9715, 1.6103

Protanopia

12.8710, 14.2737, 2.6490

Deuteranopia

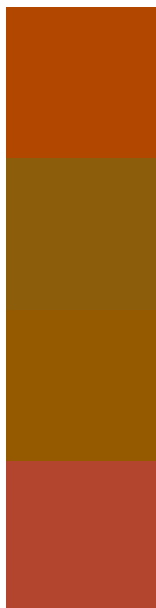
14.2300, 14.1009, 1.9717



Tritanopia

21.8761, 14.0419, 7.3517

Trichromacy



Original Color

20.6133, 13.9715, 1.6103

Protanomaly

14.7900, 13.4283, 2.1290

Deuteranomaly

15.9668, 13.5343, 1.7708

Tritanomaly

21.1312, 13.9074, 4.0533

Monochromacy



Original Color

20.6133, 13.9715, 1.6103

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

12.6008, 11.3418, 5.8000

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.6133, 13.9715, 1.6103 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(178, 71, 0)` looks like.

```
.text, #text, p{  
    color:rgb(178, 71, 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(178, 71, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 71, 0) }
```

Border

The CSS property to change the border of an element to XYZ 20.6133, 13.9715, 1.6103 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(178, 71, 0) }
```


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

```
.border{ border-color:rgb(178, 71, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 71, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 71, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 71, 0);  
box-shadow:4px 4px 4px 4px rgb(178, 71, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 20.6133, 13.9715, 1.6103 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 71, 0) }
```

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

```
.background{ background-color: rgb(178, 71,  
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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