

Converting Colors

XYZ(20.5976, 13.5980, 1.5391)

Have a look what the booklet for
XYZ(20.5976, 13.5980, 1.5391)
contains.

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Color

**XYZ(20.5976, 13.5980,
1.5391)**

Conversions

Conversions Part 1

Format	Color
Hex	B34300
RGB	179, 67, 0
RGB Percent	70%, 26%, 0%
CMY	0.2980, 0.7372, 1.0000
CMYK	0.00, 0.63, 1.00, 0.30
HSL	22°, 100%, 35%
HSV	22°, 100%, 70%
XYZ	20.5976, 13.5980, 1.5391
YIQ	92.8500, 88.2590, 2.9070

Conversions

Conversions Part 2

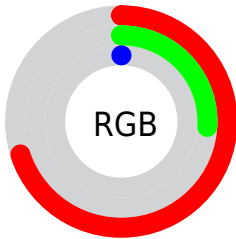
Format	Color
R_{YB}	179, 107, 0
Decimal	11748096
CIE Lab	43.65, 43.21, 54.49
CIE LCh	44, 69.544, 51.584
Yxy	13.5980, 0.5764, 0.3805
Android (android.graphics.Color)	4289938176 (0xFFB34300)
YUV	92.8500, -45.7750, 75.5536
Hunter-Lab	36.8755, 35.1730, 23.3382

Details

The XYZ color **20.5976, 13.5980, 1.5391** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **13.9305, 14.8423, 44.7782**, and the grayscale version is **10.4591, 11.0038, 11.9831**.

A 20% lighter version of the original color is **43.9286, 32.3564, 7.6715**, and **7.5689, 4.0469, 0.3822** is the 20% darker color. If you saturate the color by 10%, you get **20.5977, 13.5985, 1.5391**, and if you desaturate by 10%, it is **21.4378, 15.1052, 2.3539**.

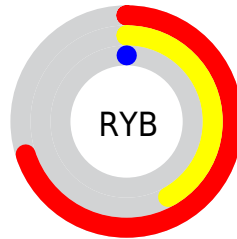
Distribution



Red (70%)

Green (26%)

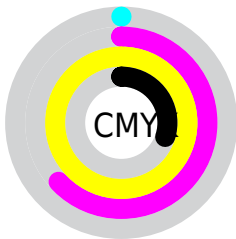
Blue (0%)



Red (70%)

Yellow (42%)

Blue (0%)

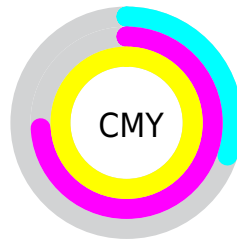


Cyan (0%)

Magenta (63%)

Yellow (100%)

Black (30%)



Cyan (30%)


Magenta (74%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 20.5976, 13.5980, 1.5391 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 20.5976, 13.5980, 1.5391 by changing the saturation by 10% instead.


 20.5976, 13.5980,
1.5391


 20.5976, 13.5980,
1.5391


 247.9045,
214.7154, 114.7509


 12.9410, 7.8416,
0.2468


 43.9132, 32.3740,
7.7374


 7.4646, 3.9938,
0.0000


 60.3029, 46.1624,
13.6438

 3.8032, 1.6701,
0.0000

 80.3343, 63.3970,
21.9797

 1.5914, 0.4042,
0.0000

 104.3727, 84.4620,
33.1637

 0.3868, 0.0000,
0.0000


 132.7837,
109.7420, 47.6142


 0.0000, 0.0000,
0.0000


 165.9324,


139.6213, 65.7499


 204.1842,
174.4843, 87.9893


 20.5976, 13.5980,
1.5391


 20.5976, 13.5980,
1.5391


 20.5977, 13.5985,
1.5391

 21.4378, 15.1052,
2.3539

 22.5120, 16.9223,
3.7332

 23.8647, 19.0781,
5.8783

 25.5198, 21.5917,
8.8859

 27.4982, 24.4804,
12.8384

■ 29.8188, 27.7604,
17.8082

■ 32.4986, 31.4464,
23.8608

■ 35.5536, 35.5528,
31.0561

■ 38.9987, 40.0929,
39.4494

Harmonies

Analogous

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



25.3348, 13.5980, 6.2777



20.5976, 13.5980, 1.5391



14.5211, 13.5980, 0.4520

Triad

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



20.5976, 13.5980, 1.5391



5.0784, 13.5980, 10.8305



17.1789, 13.5980, 63.9766

Complementary

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



20.5976, 13.5980, 1.5391



13.9305, 14.8423, 44.7782

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.



11.4495, 13.5980, 68.8229



20.5976, 13.5980, 1.5391



5.4196, 13.5980, 28.8305

Square

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



20.5976, 13.5980, 1.5391



6.3259, 13.5980, 2.8863



7.4418, 13.5980, 53.0083



23.0058, 13.5980, 42.4086

Rectangle

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



20.5976, 13.5980, 1.5391



10.9310, 13.5980, 0.4987



7.4418, 13.5980, 53.0083



15.1467, 13.5980, 68.0232

Sweetspot

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



20.5979, 13.5988, 1.5393



57.9442, 55.9661, 42.1340



21.5917, 10.7843, 16.6752



12.3797, 11.7732, 8.2895



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.



20.5979, 13.5988, 1.5393



36.6920, 23.9583, 2.6905



30.3339, 33.0708, 4.7847



8.7483, 9.0091, 8.9304



14.6135, 9.7255, 1.1070



0.5169, 0.4203, 0.0539

Inverse Universe

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



13.9305, 14.8423, 44.7782



24.7267, 26.1372, 80.1229



8.4607, 3.9026, 42.9550



8.4700, 9.0862, 10.8137



9.9079, 10.6161, 31.6639



0.3655, 0.4416, 1.0142

Previews

White Background



This preview shows how the XYZ color 20.5976, 13.5980, 1.5391 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 20.5976, 13.5980, 1.5391

Background



This preview shows how black text looks on a background with the XYZ color 20.5976, 13.5980, 1.5391.



This preview shows how white text looks on a background with the XYZ color 20.5976, 13.5980,

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

20.5976, 13.5980, 1.5391

Protanopia

12.3956, 13.7262, 2.5684

Deuteranopia

13.8219, 13.7490, 1.9253



Tritanopia

21.5284, 13.5419, 6.6334

Trichromacy



Original Color

20.5976, 13.5980, 1.5391

Protanomaly

14.6167, 13.0818, 2.0713

Deuteranomaly

15.6209, 13.1123, 1.7076

Tritanomaly

21.0737, 13.5373, 3.6927

Monochromacy



Original Color

20.5976, 13.5980, 1.5391

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

12.2719, 10.9415, 5.6028

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.5976, 13.5980, 1.5391 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(179, 67, 0)` looks like.

```
.text, #text, p{  
    color:rgb(179, 67, 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(179, 67, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 67, 0) }
```

Border

The CSS property to change the border of an element to XYZ 20.5976, 13.5980, 1.5391 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(179, 67, 0) }
```


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

```
.border{ border-color:rgb(179, 67, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 67, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 67, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 67, 0);  
box-shadow:4px 4px 4px 4px rgb(179, 67, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 20.5976, 13.5980, 1.5391 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 67, 0) }
```

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

```
.background{ background-color: rgb(179, 67,  
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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