

Converting Colors

XYZ(20.3045, 13.1832, 1.4745)

Have a look what the booklet for
XYZ(20.3045, 13.1832, 1.4745)
contains.

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Color

**XYZ(20.1935, 13.1318,
1.4704)**

Conversions

Conversions Part 1

Format	Color
Hex	B24000
RGB	178, 64, 0
RGB Percent	70%, 25%, 0%
CMY	0.3020, 0.7490, 1.0000
CMYK	0.00, 0.64, 1.00, 0.30
HSL	22°, 100%, 35%
HSV	22°, 100%, 70%
XYZ	20.1935, 13.1318, 1.4704
YIQ	90.7900, 88.4880, 4.2640

Conversions

Conversions Part 2

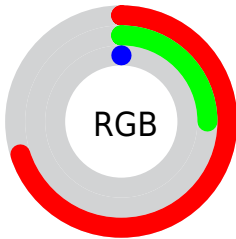
Format	Color
R_{YB}	178, 100, 0
Decimal	11681792
CIE _{Lab}	42.96, 44.21, 54.03
CIE _{LCh}	43, 69.811, 50.709
Yxy	13.1318, 0.5803, 0.3774
Android (android.graphics.Color)	4289871872 (0xFFB24000)
YUV	90.7900, -44.7595, 76.4832
Hunter-Lab	36.2378, 36.0528, 22.9607

Details

The XYZ color **20.1935, 13.1318, 1.4704** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **14.0526, 15.2478, 44.3216**, and the grayscale version is **9.9813, 10.5011, 11.4357**.

A 20% lighter version of the original color is **43.2348, 31.4771, 7.5383**, and **7.3578, 3.8253, 0.3506** is the 20% darker color. If you saturate the color by 10%, you get **20.1936, 13.1323, 1.4705**, and if you desaturate by 10%, it is **21.0113, 14.5955, 2.2737**.

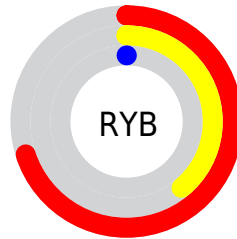
Distribution



Red (70%)

Green (25%)

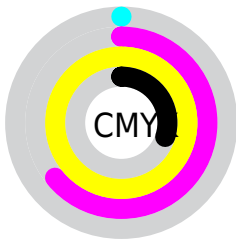
Blue (0%)



Red (70%)

Yellow (39%)

Blue (0%)

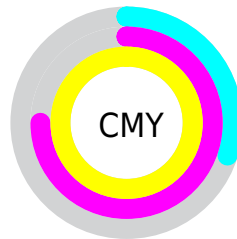


Cyan (0%)

Magenta (64%)

Yellow (100%)

Black (30%)



Cyan (30%)


Magenta (75%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 20.1935, 13.1318, 1.4704 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 20.1935, 13.1318, 1.4704 by changing the saturation by 10% instead.


 20.1935, 13.1318,
1.4704


 20.1935, 13.1318,
1.4704


 245.7744,
211.7606, 113.5198


 12.6449, 7.5194,
0.1957


 43.2428, 31.5404,
7.5346


 7.2598, 3.7890,
0.0000


 59.4742, 45.1053,
13.3472


 3.6728, 1.5562,
0.0000

 79.3306, 62.0898,
21.5717

 1.5188, 0.3278,
0.0000

 103.1773, 82.8784,
32.6265


 0.3386, 0.0000,
0.0000


 131.3797,
107.8553, 46.9302


 0.0000, 0.0000,
0.0000


 164.3031,


137.4051, 64.9012


 202.3128,
171.9121, 86.9583


 20.1935, 13.1318,
1.4704


 20.1935, 13.1318,
1.4704

 20.1936, 13.1323,
1.4705

 21.0113, 14.5955,
2.2737

 22.0649, 16.3750,
3.6352

 23.3988, 18.4996,
5.7545

 25.0372, 20.9893,
8.7272

 27.0012, 23.8621,
12.6346

■ 29.3096, 27.1346,
17.5483

■ 31.9798, 30.8224,
23.5331

■ 35.0278, 34.9402,
30.6480

■ 38.4688, 39.5019,
38.9479

Harmonies

Analogous

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



24.7862, 13.1318, 6.2063



20.1935, 13.1318, 1.4704



14.2166, 13.1318, 0.3618

Triad

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



20.1935, 13.1318, 1.4704



4.8338, 13.1318, 10.0504



16.4834, 13.1318, 63.3415

Complementary

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



20.1935, 13.1318, 1.4704



14.0526, 15.2478, 44.3216

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.



10.8934, 13.1318, 67.5220



20.1935, 13.1318, 1.4704



5.1207, 13.1318, 27.4497

Square

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



20.1935, 13.1318, 1.4704



6.0933, 13.1318, 2.5806



7.0353, 13.1318, 51.3604



22.2542, 13.1318, 42.2403

Rectangle

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



20.1935, 13.1318, 1.4704



10.6659, 13.1318, 0.3828



7.0353, 13.1318, 51.3604



14.4920, 13.1318, 67.1661

Sweetspot

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



20.1938, 13.1326, 1.4706



57.7249, 55.5276, 42.0610



21.4950, 10.7190, 17.3679



12.3268, 11.6674, 8.2719



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.



20.1938, 13.1326, 1.4706



36.4221, 23.4184, 2.6006



29.4749, 31.6948, 4.5643



8.7382, 8.9888, 8.9270



14.5038, 9.5062, 1.0704



0.5129, 0.4121, 0.0525

Inverse Universe

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



14.0526, 15.2478, 44.3216



25.2582, 27.2003, 80.3001



8.4210, 3.9847, 42.4444



8.4805, 9.1072, 10.8172



10.1159, 11.0322, 31.7333



0.3711, 0.4528, 1.0161

Previews

White Background



This preview shows how the XYZ color 20.1935, 13.1318, 1.4704 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 20.1935, 13.1318, 1.4704 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 20.1935, 13.1318, 1.4704

Background



This preview shows how black text looks on a background with the XYZ color 20.1935, 13.1318, 1.4704.



This preview shows how white text looks on a background with the XYZ color 20.1935, 13.1318,

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

20.1935, 13.1318, 1.4704

Protanopia

12.0297, 13.3890, 2.5226

Deuteranopia

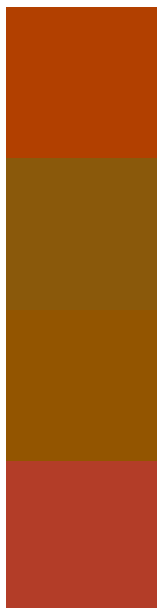
13.3280, 13.2165, 1.8486



Tritanopia

21.1035, 13.1743, 6.1332

Trichromacy



Original Color

20.1935, 13.1318, 1.4704

Protanomaly

14.1140, 12.5722, 1.9994

Deuteranomaly

15.2811, 12.7000, 1.6460

Tritanomaly

20.6422, 13.0744, 3.4431

Monochromacy



Original Color

20.1935, 13.1318, 1.4704

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

11.8745, 10.4013, 5.3848

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1935, 13.1318, 1.4704 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, 64, 0)` looks like.

```
.text, #text, p{  
    color:rgb(178, 64, 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, 64, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 64, 0) }
```

Border

The CSS property to change the border of an element to XYZ 20.1935, 13.1318, 1.4704 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, 64, 0) }
```


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

```
.border{ border-color:rgb(178, 64, 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, 64, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 64, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 64, 0);  
box-shadow:4px 4px 4px 4px rgb(178, 64, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 20.1935, 13.1318, 1.4704 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 64, 0) }
```

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

```
.background{ background-color: rgb(178, 64,  
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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