

Converting Colors

XYZ(20.4793, 13.5328, 1.5327)

Have a look what the booklet for
XYZ(20.4793, 13.5328, 1.5327)
contains.

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Color

**XYZ(20.3673, 13.4793,
1.5283)**

Conversions

Conversions Part 1

Format	Color
Hex	B24300
RGB	178, 67, 0
RGB Percent	70%, 26%, 0%
CMY	0.3020, 0.7372, 1.0000
CMYK	0.00, 0.62, 1.00, 0.30
HSL	23°, 100%, 35%
HSV	23°, 100%, 70%
XYZ	20.3673, 13.4793, 1.5283
YIQ	92.5510, 87.6630, 2.6950

Conversions

Conversions Part 2

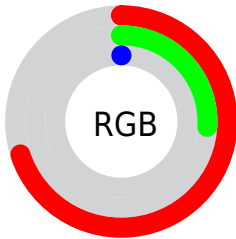
Format	Color
R_{YB}	178, 107, 0
Decimal	11682560
CIE _{Lab}	43.48, 42.84, 54.30
CIE _{LCh}	43, 69.166, 51.730
Yxy	13.4793, 0.5758, 0.3810
Android (android.graphics.Color)	4289872640 (0xFFB24300)
YUV	92.5510, -45.6276, 74.9388
Hunter-Lab	36.7142, 34.7736, 23.2319

Details

The XYZ color **20.3673, 13.4793, 1.5283** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **13.7198, 14.5823, 44.2108**, and the grayscale version is **10.3890, 10.9301, 11.9028**.

A 20% lighter version of the original color is **43.5863, 32.1799, 7.6555**, and **7.4338, 3.9773, 0.3759** is the 20% darker color. If you saturate the color by 10%, you get **20.3675, 13.4798, 1.5284**, and if you desaturate by 10%, it is **21.1995, 14.9719, 2.3364**.

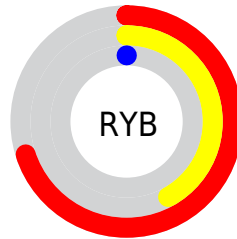
Distribution



Red (70%)

Green (26%)

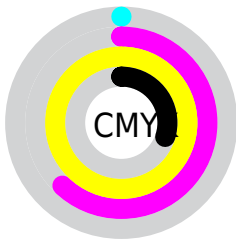
Blue (0%)



Red (70%)

Yellow (42%)

Blue (0%)

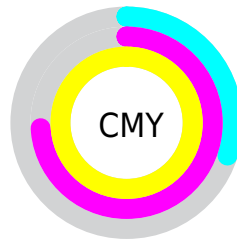


Cyan (0%)

Magenta (62%)

Yellow (100%)

Black (30%)



Cyan (30%)


Magenta (74%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3673, 13.4793, 1.5283 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 20.3673, 13.4793, 1.5283 by changing the saturation by 10% instead.


 20.3673, 13.4793,
1.5283


 20.3673, 13.4793,
1.5283


 246.6925,
213.9670, 114.5592


 12.7721, 7.7594,
0.2389


 43.5314, 32.1622,
7.7057


 7.3477, 3.9414,
0.0000


 59.8310, 45.8940,
13.5975

 3.7288, 1.6408,
0.0000

 79.7629, 63.0653,
21.9160

 1.5499, 0.3849,
0.0000

 103.6923, 84.0604,
33.0799


 0.3594, 0.0000,
0.0000


 131.9846,
109.2637, 47.5076


 0.0000, 0.0000,
0.0000


 165.0051,


139.0597, 65.6177


 203.1193,
173.8326, 87.8287


 20.3673, 13.4793,
1.5283


 20.3673, 13.4793,
1.5283

 20.3675, 13.4798,
1.5284

 21.1995, 14.9719,
2.3364

 22.2619, 16.7690,
3.7009

 23.5984, 18.8987,
5.8210

 25.2326, 21.3799,
8.7923

 27.1849, 24.2295,
12.6958

■ 29.4739, 27.4632,
17.6031

■ 32.1164, 31.0957,
23.5786

■ 35.1282, 35.1408,
30.6814

■ 38.5237, 39.6117,
38.9662

Harmonies

Analogous

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



25.0602, 13.4793, 6.1989



20.3673, 13.4793, 1.5283



14.3619, 13.4793, 0.4554

Triad

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



20.3673, 13.4793, 1.5283



5.0459, 13.4793, 10.8059



17.0470, 13.4793, 63.1590

Complementary

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



20.3673, 13.4793, 1.5283



13.7198, 14.5823, 44.2108

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.



11.3772, 13.4793, 68.0458



20.3673, 13.4793, 1.5283



5.3915, 13.4793, 28.6456

Square

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



20.3673, 13.4793, 1.5283



6.2732, 13.4793, 2.8969



7.4025, 13.4793, 52.5177



22.7989, 13.4793, 41.8248

Rectangle

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



20.3673, 13.4793, 1.5283



10.8171, 13.4793, 0.5061



7.4025, 13.4793, 52.5177



15.0375, 13.4793, 67.1839

Sweetspot

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



20.3676, 13.4801, 1.5285



57.9756, 56.0290, 42.1445



21.3257, 10.6513, 16.4764



12.3873, 11.7884, 8.2920



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.



20.3676, 13.4801, 1.5285



36.7317, 24.0376, 2.7038



29.9597, 32.6643, 4.7259



8.7498, 9.0120, 8.9309



14.6296, 9.7577, 1.1124



0.5175, 0.4215, 0.0541

Inverse Universe

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



13.7198, 14.5823, 44.2108



24.6520, 25.9878, 80.0980



8.3571, 3.8568, 42.4232



8.4685, 9.0832, 10.8132



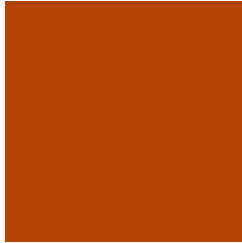
9.8786, 10.5576, 31.6542



0.3647, 0.4400, 1.0139

Previews

White Background



This preview shows how the XYZ color 20.3673, 13.4793, 1.5283 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 20.3673, 13.4793, 1.5283 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 20.3673, 13.4793, 1.5283

Background



This preview shows how black text looks on a background with the XYZ color 20.3673, 13.4793, 1.5283.



This preview shows how white text looks on a background with the XYZ color 20.3673, 13.4793,

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

20.3673, 13.4793, 1.5283

Protanopia

12.3956, 13.7262, 2.5684

Deuteranopia

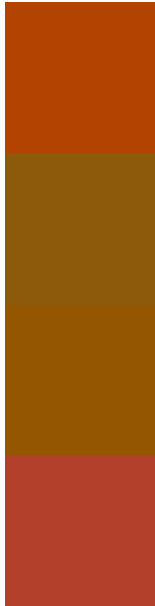
13.7278, 13.5607, 1.8939



Tritanopia

21.2964, 13.4223, 6.6226

Trichromacy



Original Color

20.3673, 13.4793, 1.5283

Protanomaly

14.4490, 12.9953, 2.0634

Deuteranomaly

15.6209, 13.1123, 1.7076

Tritanomaly

20.8417, 13.4177, 3.6819

Monochromacy



Original Color

20.3673, 13.4793, 1.5283

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 20.3673, 13.4793, 1.5283 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, 67, 0)` looks like.

```
.text, #text, p{  
    color:rgb(178, 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(178, 67, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 67, 0) }
```

Border

The CSS property to change the border of an element to XYZ 20.3673, 13.4793, 1.5283 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, 67, 0) }
```


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

```
.border{ border-color:rgb(178, 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(178, 67, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 67, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 67, 0);  
box-shadow:4px 4px 4px 4px rgb(178, 67, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 20.3673, 13.4793, 1.5283 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 67, 0) }
```

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

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