

Converting Colors

XYZ(20.6459, 13.8660, 1.5883)

Have a look what the booklet for
XYZ(20.6459, 13.8660, 1.5883)
contains.

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Color

**XYZ(20.5503, 13.8453,
1.5893)**

Conversions

Conversions Part 1

Format	Color
Hex	B24600
RGB	178, 70, 0
RGB Percent	70%, 27%, 0%
CMY	0.3020, 0.7255, 1.0000
CMYK	0.00, 0.61, 1.00, 0.30
HSL	24°, 100%, 35%
HSV	24°, 100%, 70%
XYZ	20.5503, 13.8453, 1.5893
YIQ	94.3120, 86.8380, 1.1260

Conversions

Conversions Part 2

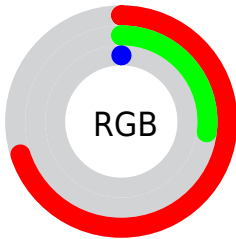
Format	Color
R_{YB}	178, 115, 0
Decimal	11683328
CIE Lab	44.01, 41.43, 54.59
CIE LCh	44, 68.532, 52.801
Yxy	13.8453, 0.5711, 0.3848
Android (android.graphics.Color)	4289873408 (0xFFB24600)
YUV	94.3120, -46.4958, 73.3944
Hunter-Lab	37.2093, 33.4675, 23.5141

Details

The XYZ color **20.5503, 13.8453, 1.5893** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **13.3980, 13.9387, 44.1035**, and the grayscale version is **10.8064, 11.3692, 12.3810**.

A 20% lighter version of the original color is **43.9737, 32.9152, 7.9065**, and **7.5069, 4.1236, 0.4003** is the 20% darker color. If you saturate the color by 10%, you get **20.5505, 13.8458, 1.5894**, and if you desaturate by 10%, it is **21.3956, 15.3641, 2.4018**.

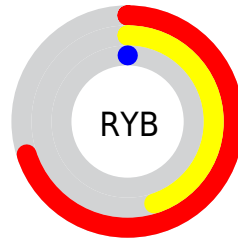
Distribution



Red (70%)

Green (27%)

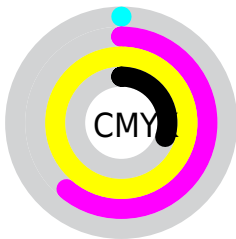
Blue (0%)



Red (70%)

Yellow (45%)

Blue (0%)

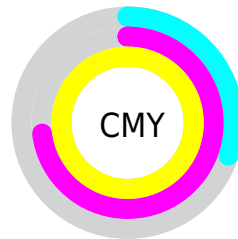


Cyan (0%)

Magenta (61%)

Yellow (100%)

Black (30%)



Cyan (30%)


Magenta (73%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 20.5503, 13.8453, 1.5893 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 20.5503, 13.8453, 1.5893 by changing the saturation by 10% instead.


 20.5503, 13.8453,
1.5893


 20.5503, 13.8453,
1.5893


 247.6560,
216.2663, 115.6329


 12.9063, 8.0131,
0.2832


 43.8348, 32.8143,
7.8841


 7.4406, 4.1034,
0.0000


 60.2061, 46.7199,
13.8576


 3.7879, 1.7315,
0.0000

 80.2170, 64.0855,
22.2733

 1.5829, 0.4440,
0.0000

 104.2332, 85.2954,
33.5497


 0.3812, 0.0000,
0.0000


 132.6198,
110.7340, 48.1053


 0.0000, 0.0000,
0.0000


 165.7422,


140.7858, 66.3587


 203.9658,
175.8351, 88.7284


 20.5503, 13.8453,
1.5893


 20.5503, 13.8453,
1.5893


 20.5505, 13.8458,
1.5894

 21.3956, 15.3641,
2.4018

 22.4655, 17.1760,
3.7687

 23.8032, 19.3083,
5.8893

 25.4319, 21.7785,
8.8587

 27.3715, 24.6026,
12.7580

■ 29.6401, 27.7955,
17.6585

■ 32.2542, 31.3711,
23.6246

■ 35.2289, 35.3423,
30.7151

■ 38.5787, 39.7216,
38.9846

Harmonies

Analogous

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



25.3486, 13.8453, 6.1913



20.5503, 13.8453, 1.5893



14.5143, 13.8453, 0.5515

Triad

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



20.5503, 13.8453, 1.5893



5.2711, 13.8453, 11.6242



17.6434, 13.8453, 62.9833

Complementary

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



20.5503, 13.8453, 1.5893



13.3980, 13.9387, 44.1035

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.



11.8918, 13.8453, 68.6022



20.5503, 13.8453, 1.5893



5.6806, 13.8453, 29.9186

Square

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



20.5503, 13.8453, 1.5893



6.4626, 13.8453, 3.2489



7.7947, 13.8453, 53.7387



23.3730, 13.8453, 41.4064

Rectangle

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



20.5503, 13.8453, 1.5893



10.9754, 13.8453, 0.6328



7.7947, 13.8453, 53.7387



15.6157, 13.8453, 67.2156

Sweetspot

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



20.5506, 13.8461, 1.5895



58.2284, 56.5345, 42.2288



21.1619, 10.5857, 15.6135



12.4484, 11.9106, 8.3124



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.



20.5506, 13.8461, 1.5895



37.0585, 24.6912, 2.8127



30.4565, 33.6579, 4.8915



8.7614, 9.0353, 8.9347



14.7618, 10.0222, 1.1564



0.5222, 0.4308, 0.0556

Inverse Universe

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



13.3980, 13.9387, 44.1035



24.0662, 24.8163, 79.9028



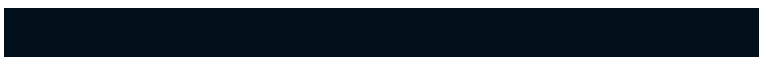
8.2998, 3.7423, 42.4041



8.4565, 9.0593, 10.8092



9.6490, 10.0983, 31.5776



0.3585, 0.4275, 1.0119

Previews

White Background



This preview shows how the XYZ color 20.5503, 13.8453, 1.5893 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 20.5503, 13.8453, 1.5893 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 20.5503, 13.8453, 1.5893

Background



This preview shows how black text looks on a background with the XYZ color 20.5503, 13.8453, 1.5893.



This preview shows how white text looks on a background with the XYZ color 20.5503, 13.8453,

1.5893.

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

20.5503, 13.8453, 1.5893

Protanopia

12.6320, 13.9984, 2.6084

Deuteranopia

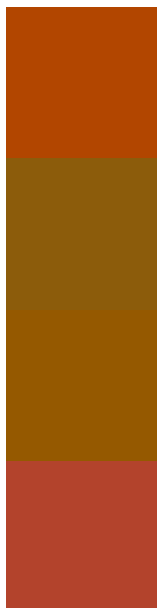
14.0729, 14.0199, 1.9644



Tritanopia

21.7869, 13.9136, 7.1675

Trichromacy



Original Color

20.5503, 13.8453, 1.5893

Protanomaly

14.7028, 13.2539, 2.0999

Deuteranomaly

15.9668, 13.5343, 1.7708

Tritanomaly

21.0522, 13.7799, 3.9331

Monochromacy



Original Color

20.5503, 13.8453, 1.5893

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

12.5216, 11.1832, 5.7736

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.5503, 13.8453, 1.5893 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, 70, 0)` looks like.

```
.text, #text, p{  
    color:rgb(178, 70, 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, 70, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 70, 0) }
```

Border

The CSS property to change the border of an element to XYZ 20.5503, 13.8453, 1.5893 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, 70, 0) }
```


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

```
.border{ border-color:rgb(178, 70, 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, 70, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 70, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 70, 0);  
box-shadow:4px 4px 4px 4px rgb(178, 70, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 20.5503, 13.8453, 1.5893 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 70, 0) }
```

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

```
.background{ background-color: rgb(178, 70,  
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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