

Converting Colors

XYZ(19.5675, 11.6436, 1.9497)

Have a look what the booklet for
XYZ(19.5675, 11.6436, 1.9497)
contains.

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Color

**XYZ(19.5524, 11.6330,
1.9243)**

Conversions

Conversions Part 1

Format	Color
Hex	B23015
RGB	178, 48, 21
RGB Percent	70%, 19%, 8%
CMY	0.3020, 0.8117, 0.9176
CMYK	0.00, 0.73, 0.88, 0.30
HSL	10°, 79%, 39%
HSV	10°, 88%, 70%
XYZ	19.5524, 11.6330, 1.9243
YIQ	83.7920, 86.1470, 19.1630

Conversions

Conversions Part 2

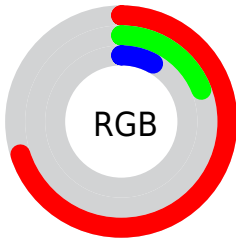
Format	Color
R_{YB}	178, 54, 21
Decimal	11677717
CIE _{Lab}	40.63, 51.08, 45.54
CIE _{LCh}	41, 68.430, 41.717
Yxy	11.6330, 0.5905, 0.3513
Android (android.graphics.Color)	4289867797 (0xFFB23015)
YUV	83.7920, -30.9565, 82.6204
Hunter-Lab	34.1072, 42.6399, 20.5299

Details

The XYZ color **19.5524, 11.6330, 1.9243** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **19.4102, 25.5040, 46.0189**, and the grayscale version is **8.4340, 8.8732, 9.6629**.

A 20% lighter version of the original color is **42.1693, 28.8186, 8.8088**, and **7.3361, 3.7819, 0.3433** is the 20% darker color. If you saturate the color by 10%, you get **18.9289, 10.5748, 1.1354**, and if you desaturate by 10%, it is **20.4864, 13.1371, 3.3581**.

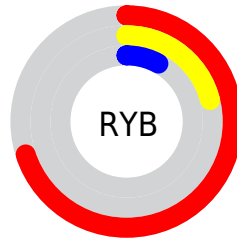
Distribution



Red (70%)

Green (19%)

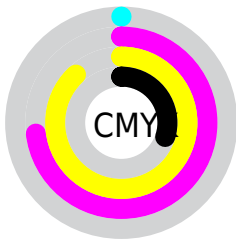
Blue (8%)



Red (70%)

Yellow (21%)

Blue (8%)

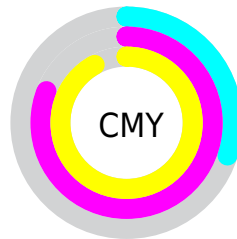


Cyan (0%)

Magenta (73%)

Yellow (88%)

Black (30%)



Cyan (30%)

Magenta (81%)

Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.5524, 11.6330, 1.9243 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 19.5524, 11.6330, 1.9243 by changing the saturation by 10% instead.

■ 19.5524, 11.6330,
1.9243

■ 19.5524, 11.6330,
1.9243

242.3616,
201.9603, 121.1900

■ 12.1765, 6.4943,
0.5081

■ 42.1752, 28.8249,
8.8328

■ 6.9370, 3.1479,
0.0000

■ 58.1527, 41.6469,
15.2303

■ 3.4687, 1.2094,
0.0000

■ 77.7282, 57.7988,
24.1482

■ 1.4062, 0.0694,
0.0000

■ 101.2669, 77.6649,
36.0048


■ 0.2606, 0.0000,
0.0000


■ 129.1342,
101.6298, 51.2187


■ 0.0000, 0.0000,
0.0000


■ 161.6956,


130.0777, 70.2085


 199.3162,
163.3930, 93.3928


 19.5524, 11.6330,
1.9243


 19.5524, 11.6330,
1.9243


 18.9289, 10.5748,
1.1354


 20.4864, 13.1371,
3.3581

 18.8401, 10.4252,
1.0193

 21.7765, 15.1322,
5.5919

 23.4560, 17.6576,
8.7215

 25.5541, 20.7482,
12.8291

 28.0970, 24.4357,
17.9876

■ 31.1088, 28.7495,
24.2627

■ 34.6118, 33.7170,
31.7150

■ 38.6269, 39.3639,
40.4006

■ 43.1736, 45.7146,
50.3720

Harmonies

Analogous

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



22.8910, 11.6330, 7.9910



19.5524, 11.6330, 1.9243



14.2383, 11.6330, 0.3545

Triad

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



19.5524, 11.6330, 1.9243



4.3687, 11.6330, 6.0137



13.0549, 11.6330, 60.7362

Complementary

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



19.5524, 11.6330, 1.9243



19.4102, 25.5040, 46.0189

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.



8.3885, 11.6330, 58.5187



19.5524, 11.6330, 1.9243



4.2220, 11.6330, 18.8814

Square

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



19.5524, 11.6330, 1.9243



5.9511, 11.6330, 1.3732



5.4666, 11.6330, 39.9410



18.4716, 11.6330, 44.7612

Rectangle

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



19.5524, 11.6330, 1.9243



10.7805, 11.6330, 0.1151



5.4666, 11.6330, 39.9410



11.3378, 11.6330, 62.2934

Sweetspot

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



19.5527, 11.6337, 1.9245



57.4618, 53.6272, 46.2099



24.2820, 12.2628, 30.7212



12.2831, 11.2435, 9.2950



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.



19.5527, 11.6337, 1.9245



34.0510, 18.6764, 1.8102



25.9136, 24.3556, 4.0448



8.6106, 8.7338, 8.8845



13.5134, 7.5254, 0.7403



0.4610, 0.3083, 0.0352

Inverse Universe

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



19.4102, 25.5040, 46.0189



33.4508, 43.5855, 83.0310



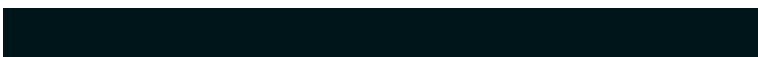
10.7496, 8.1828, 43.1320



8.6158, 9.3778, 10.8623



13.2978, 17.3959, 32.7939



0.4512, 0.6129, 1.0428

Previews

White Background



This preview shows how the XYZ color 19.5524, 11.6330, 1.9243 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 19.5524, 11.6330, 1.9243

Background



This preview shows how black text looks on a background with the XYZ color 19.5524, 11.6330, 1.9243.



This preview shows how white text looks on a background with the XYZ color 19.5524, 11.6330,

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

19.5524, 11.6330, 1.9243

Protanopia

10.7335, 11.8473, 3.1599

Deuteranopia

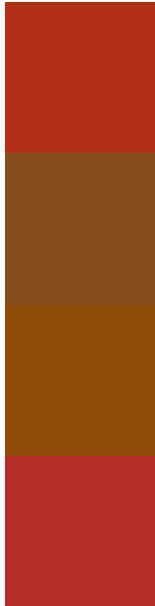
11.8532, 11.7919, 1.6513



Tritanopia

20.0419, 11.6657, 3.8847

Trichromacy



Original Color

19.5524, 11.6330, 1.9243

Protanomaly

12.6906, 10.6672, 2.5525

Deuteranomaly

13.7836, 10.9372, 1.6143

Tritanomaly

19.9173, 11.6776, 3.0380

Monochromacy



Original Color

19.5524, 11.6330, 1.9243

Achromatopsia

8.4267, 8.8656, 9.6546

Achromatomaly

10.5668, 8.6950, 5.5362

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.5524, 11.6330, 1.9243 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, 48, 21)` looks like.

```
.text, #text, p{  
    color:rgb(178, 48, 21)  
}
```

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, 48, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 48, 21) }
```

Border

The CSS property to change the border of an element to XYZ 19.5524, 11.6330, 1.9243 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, 48, 21) }
```


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

```
.border{ border-color:rgb(178, 48, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 48, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 48, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 48, 21);  
box-shadow:4px 4px 4px 4px rgb(178, 48,  
21) }
```

Background

The CSS property to change the background color of an element to XYZ 19.5524, 11.6330, 1.9243 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 48, 21) }
```

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

```
.background{ background-color: rgb(178, 48,  
21) }
```

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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