

Converting Colors

XYZ(19.6216, 11.7070, 4.1733)

Have a look what the booklet for
XYZ(19.6216, 11.7070, 4.1733)
contains.

XYZ(19.5572, 11.6485, 4.1233)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(19.5572, 11.6485,
4.1233)**

Conversions

Conversions Part 1

Format	Color
Hex	B03131
RGB	176, 49, 49
RGB Percent	69%, 19%, 19%
CMY	0.3098, 0.8078, 0.8078
CMYK	0.00, 0.72, 0.72, 0.31
HSL	0°, 56%, 44%
HSV	0°, 72%, 69%
XYZ	19.5572, 11.6485, 4.1233
YIQ	86.9730, 75.6920, 26.9240

Conversions

Conversions Part 2

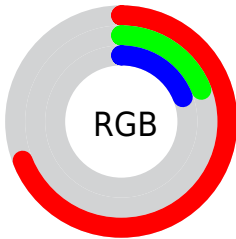
Format	Color
R _Y B	176, 49, 49
Decimal	11546929
CIE Lab	40.65, 50.99, 30.51
CIE LCh	41, 59.427, 30.895
Yxy	11.6485, 0.5536, 0.3297
Android (android.graphics.Color)	4289737009 (0xFFB03131)
YUV	86.9730, -18.7207, 78.0767
Hunter-Lab	34.1299, 42.5572, 16.7280

Details

The XYZ color **19.5572, 11.6485, 4.1233** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **24.6266, 34.8346, 46.4998**, and the grayscale version is **9.0816, 9.5546, 10.4049**.

A 20% lighter version of the original color is **42.3215, 28.9223, 14.4183**, and **7.2244, 3.7218, 0.4525** is the 20% darker color. If you saturate the color by 10%, you get **18.6578, 10.3326, 2.3352**, and if you desaturate by 10%, it is **20.8895, 13.5983, 6.7713**.

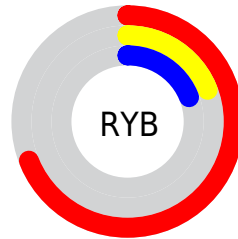
Distribution



Red (69%)

Green (19%)

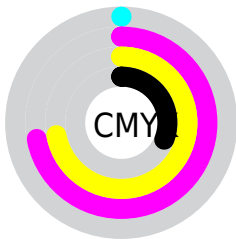
Blue (19%)



Red (69%)

Yellow (19%)

Blue (19%)

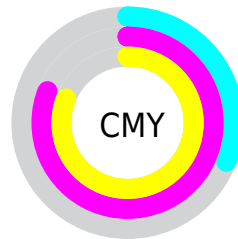


Cyan (0%)

Magenta (72%)

Yellow (72%)

Black (31%)



Cyan (31%)


Magenta (81%)


Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.5572, 11.6485, 4.1233 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 19.5572, 11.6485, 4.1233 by changing the saturation by 10% instead.


 19.5572, 11.6485,
4.1233


 19.5572, 11.6485,
4.1233


242.3873,
202.0642, 149.5861


 12.1800, 6.5048,
1.6932


 42.1832, 28.8533,
14.2931


 6.9394, 3.1544,
0.3561


 58.1626, 41.6832,
22.8700


 3.4702, 1.2129,
0.0000

 77.7402, 57.8439,
34.3328

 1.4070, 0.0722,
0.0000

 101.2812, 77.7199,
49.1003

 0.2612, 0.0000,
0.0000

 129.1511,
101.6955, 67.5907

 0.0000, 0.0000,
0.0000

 161.7152,

130.1552, 90.2229

199.3388,
163.4833, 117.4151

■ 19.5572, 11.6485,
4.1233

■ 19.5572, 11.6485,
4.1233

■ 18.6578, 10.3326,
2.3352

■ 20.8895, 13.5983,
6.7713

■ 18.1368, 9.5703,
1.2997

■ 22.6989, 16.2460,
10.3681

■ 17.9045, 9.2303,
0.8380

■ 25.0250, 19.6499,
14.9923

■ 27.9033, 23.8616,
20.7141

■ 31.3658, 28.9283,
27.5975

■ 35.4424, 34.8934,
35.7016

■ 40.1607, 41.7976,
45.0815

■ 45.5467, 49.6789,
55.7890

■ 51.6251, 58.5732,
67.8729

Harmonies

Analogous

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



21.2800, 11.6485, 12.3251



19.5572, 11.6485, 4.1233



15.4871, 11.6485, 1.3035

Triad

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



19.5572, 11.6485, 4.1233



5.4043, 11.6485, 4.4265



11.1983, 11.6485, 52.7665

Complementary

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



19.5572, 11.6485, 4.1233



24.6266, 34.8346, 46.4998

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.



7.5868, 11.6485, 45.5672



19.5572, 11.6485, 4.1233



4.7965, 11.6485, 13.0483

Square

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



19.5572, 11.6485, 4.1233



7.4181, 11.6485, 1.3845



5.4829, 11.6485, 28.6698



15.7622, 11.6485, 44.7243

Rectangle

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



19.5572, 11.6485, 4.1233



12.4006, 11.6485, 0.7978



5.4829, 11.6485, 28.6698



9.8410, 11.6485, 52.0228

Sweetspot

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



19.5575, 11.6492, 4.1235



56.7334, 52.2411, 49.7465



26.8391, 14.5613, 42.4701



11.9157, 10.7664, 10.0267



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



19.5575, 11.6492, 4.1235



33.1656, 17.7542, 2.8962



24.3083, 21.1508, 5.7071



8.4964, 8.5054, 8.8464



13.1370, 6.7725, 0.6148



0.4134, 0.2131, 0.0194

Inverse Universe

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



24.6266, 34.8346, 46.4998



42.8974, 62.2667, 84.2530



14.9525, 15.4865, 43.2752



8.7426, 9.6315, 10.9046



17.1393, 25.0789, 34.0744



0.5393, 0.7891, 1.0721

Previews

White Background



This preview shows how the XYZ color 19.5572, 11.6485, 4.1233 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 19.5572, 11.6485, 4.1233

Background



This preview shows how black text looks on a background with the XYZ color 19.5572, 11.6485, 4.1233.



This preview shows how white text looks on a background with the XYZ color 19.5572, 11.6485,

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

19.5572, 11.6485, 4.1233

Protanopia

11.0545, 11.9343, 6.7219

Deuteranopia

11.9731, 11.8075, 3.7458



Tritanopia

19.6003, 11.6657, 4.3506

Trichromacy



Original Color

19.5572, 11.6485, 4.1233

Protanomaly

13.0182, 10.8784, 5.5513

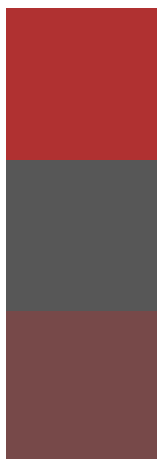
Deuteranomaly

13.8543, 10.9262, 3.7616

Tritanomaly

19.5785, 11.6570, 4.2357

Monochromacy



Original Color

19.5572, 11.6485, 4.1233

Achromatopsia

9.0590, 9.5307, 10.3790

Achromatomaly

11.1929, 9.1681, 7.4830

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.5572, 11.6485, 4.1233 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(176, 49, 49)` looks like.

```
.text, #text, p{  
    color:rgb(176, 49, 49)  
}
```

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(176, 49, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 49, 49) }
```

Border

The CSS property to change the border of an element to XYZ 19.5572, 11.6485, 4.1233 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(176, 49, 49) }
```


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

```
.border{ border-color:rgb(176, 49, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 49, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 49, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 49, 49);  
box-shadow:4px 4px 4px 4px rgb(176, 49,  
49) }
```

Background

The CSS property to change the background color of an element to XYZ 19.5572, 11.6485, 4.1233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 49, 49) }
```

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

```
.background{ background-color: rgb(176, 49,  
49) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor