

Converting Colors

XYZ(18.5353, 11.5105, 4.9597)

Have a look what the booklet for
XYZ(18.5353, 11.5105, 4.9597)
contains.

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Color

**XYZ(18.4422, 11.4529,
4.9800)**

Conversions

Conversions Part 1

Format	Color
Hex	A93738
RGB	169, 55, 56
RGB Percent	66%, 22%, 22%
CMY	0.3373, 0.7843, 0.7804
CMYK	0.00, 0.67, 0.67, 0.34
HSL	359°, 51%, 44%
HSV	359°, 67%, 66%
XYZ	18.4422, 11.4529, 4.9800
YIQ	89.2000, 67.6230, 24.4790

Conversions

Conversions Part 2

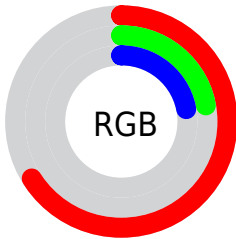
Format	Color
RYB	169, 55, 56
Decimal	11089720
CIELab	40.33, 46.65, 25.60
CIElCh	40, 53.213, 28.759
Yxy	11.4529, 0.5288, 0.3284
Android (android.graphics.Color)	4289279800 (0xFFA93738)
YUV	89.2000, -16.3676, 69.9846
Hunter-Lab	33.8421, 38.0495, 14.9647

Details

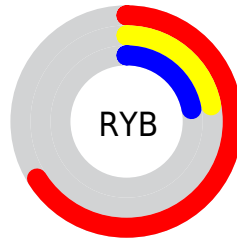
The XYZ color **18.4422, 11.4529, 4.9800** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **22.8323, 32.0156, 42.0251**, and the grayscale version is **9.5650, 10.0631, 10.9587**.

A 20% lighter version of the original color is **40.4439, 28.5274, 16.2067**, and **6.5097, 3.3467, 0.7183** is the 20% darker color. If you saturate the color by 10%, you get **17.4290, 9.9762, 2.9480**, and if you desaturate by 10%, it is **19.8679, 13.5355, 7.8260**.

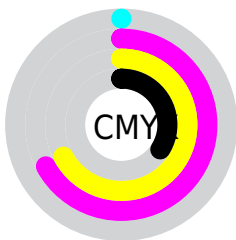
Distribution



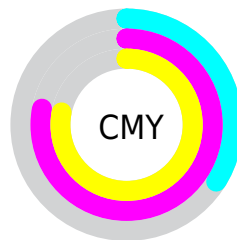
- Red (66%)
- Green (22%)
- Blue (22%)



- Red (66%)
- Yellow (22%)
- Blue (22%)



- Cyan (0%)
- Magenta (67%)
- Yellow (67%)
- Black (34%)





- Cyan (34%)
- Magenta (78%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.4422, 11.4529, 4.9800 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 18.4422, 11.4529, 4.9800 by changing the saturation by 10% instead.


 18.4422, 11.4529,
4.9800


 18.4422, 11.4529,
4.9800


236.3495,
200.7489, 158.5642


 11.3695, 6.3723,
2.1770


 40.3136, 28.4947,
16.2134


 6.3851, 3.0728,
0.6610


 55.8430, 41.2247,
25.4808


 3.1235, 1.1698,
0.0000

 74.9221, 57.2732,
37.7402

 1.2194, 0.0369,
0.0000

 97.9162, 77.0248,
53.4099

 0.1216, 0.0000,
0.0000

 125.1906,
100.8638, 72.9087

 0.0000, 0.0000,
0.0000

 157.1107,

129.1745, 96.6550

194.0419,
162.3414, 125.0673

■ 18.4422, 11.4529,
4.9800

■ 18.4422, 11.4529,
4.9800

■ 17.4290, 9.9762,
2.9480

■ 19.8679, 13.5355,
7.8260

■ 16.7838, 9.0388,
1.6444

■ 21.7430, 16.2775,
11.5588

■ 16.4403, 8.5411,
0.9470

■ 24.1010, 19.7287,
16.2440

■ 16.3702, 8.4382,
0.8082

■ 26.9723, 23.9339,
21.9407

■ 30.3845, 28.9339,
28.7031

■ 34.3636, 34.7665,
36.5818

■ 38.9335, 41.4675,
45.6239

■ 44.1171, 49.0702,
55.8741

■ 49.9358, 57.6064,
67.3744

Harmonies

Analogous

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



19.7229, 11.4529, 12.9196



18.4422, 11.4529, 4.9800



15.0353, 11.4529, 1.8731

Triad

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



18.4422, 11.4529, 4.9800



5.8416, 11.4529, 4.5744



10.7313, 11.4529, 46.2354

Complementary

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



18.4422, 11.4529, 4.9800



22.8323, 32.0156, 42.0251

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.



7.5797, 11.4529, 39.4850



18.4422, 11.4529, 4.9800



5.1837, 11.4529, 12.0314

Square

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



18.4422, 11.4529, 4.9800



7.7927, 11.4529, 1.7504



5.7398, 11.4529, 25.1592



14.7047, 11.4529, 40.4504

Rectangle

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



18.4422, 11.4529, 4.9800



12.3413, 11.4529, 1.2348



5.7398, 11.4529, 25.1592



9.5492, 11.4529, 45.3112

Sweetspot

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



18.4425, 11.4536, 4.9802



52.5384, 49.0657, 47.6837



24.4854, 13.8240, 38.9137



11.0890, 10.1636, 9.6754



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



18.4425, 11.4536, 4.9802



30.5600, 16.9151, 3.9605



22.6390, 19.8851, 6.2603



7.5337, 7.5433, 7.8615



12.2017, 6.2894, 0.6079



0.2977, 0.1533, 0.0190

Inverse Universe

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



18.4425, 11.4536, 4.9802



30.5600, 16.9151, 3.9605



14.7437, 15.6898, 39.7873



7.5337, 7.5433, 7.8615



12.2017, 6.2894, 0.6079



0.2977, 0.1533, 0.0190

Previews

White Background



This preview shows how the XYZ color 18.4422, 11.4529, 4.9800 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 18.4422, 11.4529, 4.9800

Background



This preview shows how black text looks on a background with the XYZ color 18.4422, 11.4529, 4.9800.



This preview shows how white text looks on a background with the XYZ color 18.4422, 11.4529,

4.9800.

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

18.4422, 11.4529, 4.9800

Protanopia

10.9461, 11.7172, 7.8156

Deuteranopia

11.7880, 11.5640, 4.6284



Tritanopia

18.4921, 11.4729, 5.2428

Trichromacy



Original Color

18.4422, 11.4529, 4.9800

Protanomaly

12.6782, 10.7902, 6.5688

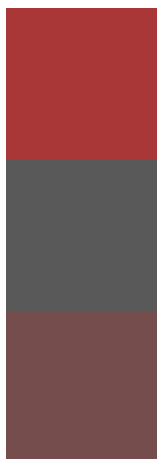
Deuteranomaly

13.6608, 11.0151, 4.6549

Tritanomaly

18.4669, 11.4628, 5.1101

Monochromacy



Original Color

18.4422, 11.4529, 4.9800

Achromatopsia

9.4954, 9.9899, 10.8790

Achromatomaly

11.4646, 9.6951, 8.2883

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.4422, 11.4529, 4.9800 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(169, 55, 56)` looks like.

```
.text, #text, p{  
    color:rgb(169, 55, 56)  
}
```

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(169, 55, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 55, 56) }
```

Border

The CSS property to change the border of an element to XYZ 18.4422, 11.4529, 4.9800 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(169, 55, 56) }
```


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

```
.border{ border-color:rgb(169, 55, 56) }
```

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

Here you see how a box with a 4 pixel rgb(169, 55, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 55, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 55, 56);  
box-shadow:4px 4px 4px 4px rgb(169, 55,  
56) }
```

Background

The CSS property to change the background color of an element to XYZ 18.4422, 11.4529, 4.9800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 55, 56) }
```

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

```
.background{ background-color: rgb(169, 55,  
56) }
```

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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