

Converting Colors

XYZ(18.5719, 9.4958, 4.4115)

Have a look what the booklet for
XYZ(18.5719, 9.4958, 4.4115)
contains.

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Color

**XYZ(18.5941, 9.5059,
4.4692)**

Conversions

Conversions Part 1

Format	Color
Hex	B00037
RGB	176, 0, 55
RGB Percent	69%, 0%, 22%
CMY	0.3098, 0.9999, 0.7843
CMYK	0.00, 1.00, 0.69, 0.31
HSL	341°, 100%, 35%
HSV	341°, 100%, 69%
XYZ	18.5941, 9.5059, 4.4692
YIQ	58.8940, 87.2410, 54.4170

Conversions

Conversions Part 2

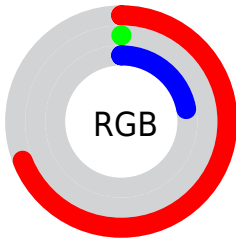
Format	Color
R_{YB}	176, 0, 55
Decimal	11534391
CIE _{Lab}	36.94, 62.06, 22.29
CIE _{LCh}	37, 65.945, 19.753
Yxy	9.5059, 0.5709, 0.2919
Android (android.graphics.Color)	4289724471 (0xFFB00037)
YUV	58.8940, -1.9197, 102.7020
Hunter-Lab	30.8316, 53.6953, 12.9878

Details

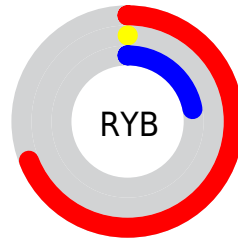
The XYZ color **18.5941, 9.5059, 4.4692** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **18.9784, 32.4319, 23.3574**, and the grayscale version is **4.1387, 4.3542, 4.7418**.

A 20% lighter version of the original color is **40.4775, 24.8540, 14.9758**, and **7.1429, 3.6739, 0.7134** is the 20% darker color. If you saturate the color by 10%, you get **18.5936, 9.5057, 4.4669**, and if you desaturate by 10%, it is **19.1309, 10.0572, 6.2591**.

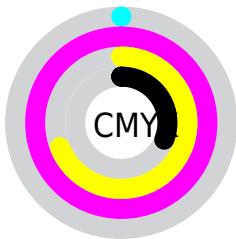
Distribution



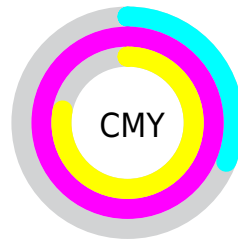
- Red (69%)
- Green (0%)
- Blue (22%)



- Red (69%)
- Yellow (0%)
- Blue (22%)



- Cyan (0%)
- Magenta (100%)
- Yellow (69%)
- Black (31%)




- Cyan (31%)
- Magenta (100%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.5941, 9.5059, 4.4692 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 18.5941, 9.5059, 4.4692 by changing the saturation by 10% instead.


 18.5941, 9.5059,
4.4692


 18.5941, 9.5059,
4.4692


237.1801,
187.1083, 153.3059


 11.4796, 5.0726,
1.8861


 40.5693, 24.8619,
15.0782


 6.4601, 2.2899,
0.4839


 56.1607, 36.5534,
23.9412


 3.1701, 0.7684,
0.0000

 75.3085, 51.4331,
35.7345

 1.2443, 0.0000,
0.0000

 98.3779, 69.8854,
50.8768

 0.1410, 0.0000,
0.0000

 125.7345, 92.2947,
69.7865

 0.0000, 0.0000,
0.0000

 157.7435,

119.0453, 92.8823

194.7702,
150.5217, 120.5825

■ 18.5941, 9.5059,
4.4692

■ 18.5941, 9.5059,
4.4692

■ 18.5936, 9.5057,
4.4669

■ 19.1309, 10.0572,
6.2591

■ 19.9309, 11.0130,
8.5113

■ 21.0712, 12.5211,
11.2730

■ 22.5901, 14.6515,
14.5768

■ 24.5203, 17.4635,
18.4521

■ 26.8908, 21.0097,
22.9260

■ 29.7280, 25.3373,
28.0238

■ 33.0561, 30.4897,
33.7691

■ 36.8975, 36.5069,
40.1842

Harmonies

Analogous

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



19.1430, 9.5059, 14.8759



18.5941, 9.5059, 4.4692



15.0996, 9.5059, 0.9339

Triad

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



18.5941, 9.5059, 4.4692



4.2782, 9.5059, 1.5692



7.7120, 9.5059, 51.8394

Complementary

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



18.5941, 9.5059, 4.4692



18.9784, 32.4319, 23.3574

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.



4.8603, 9.5059, 38.6503



18.5941, 9.5059, 4.4692



3.3112, 9.5059, 6.8505

Square

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



18.5941, 9.5059, 4.4692



6.6379, 9.5059, 0.1137



3.4862, 9.5059, 19.9338



11.9493, 9.5059, 49.0735

Rectangle

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



18.5941, 9.5059, 4.4692



12.0260, 9.5059, 0.1273



3.4862, 9.5059, 19.9338



6.5864, 9.5059, 48.8870

Sweetspot

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



18.5943, 9.5065, 4.4693



53.6166, 45.4919, 50.2968



15.6207, 7.1479, 41.6306



11.1426, 9.1285, 10.0519



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.



18.5943, 9.5065, 4.4693



33.6326, 17.2043, 7.6269



18.4289, 10.2788, 1.0135



8.6021, 8.5476, 9.4030



13.6662, 6.9840, 3.4021



0.4570, 0.2305, 0.2492

Inverse Universe

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



18.5943, 9.5065, 4.4693



33.6326, 17.2043, 7.6269



17.7704, 23.0020, 44.5774



8.6021, 8.5476, 9.4030



13.6662, 6.9840, 3.4021



0.4570, 0.2305, 0.2492

Previews

White Background



This preview shows how the XYZ color 18.5941, 9.5059, 4.4692 looks on a white background.

Color Contrast Check

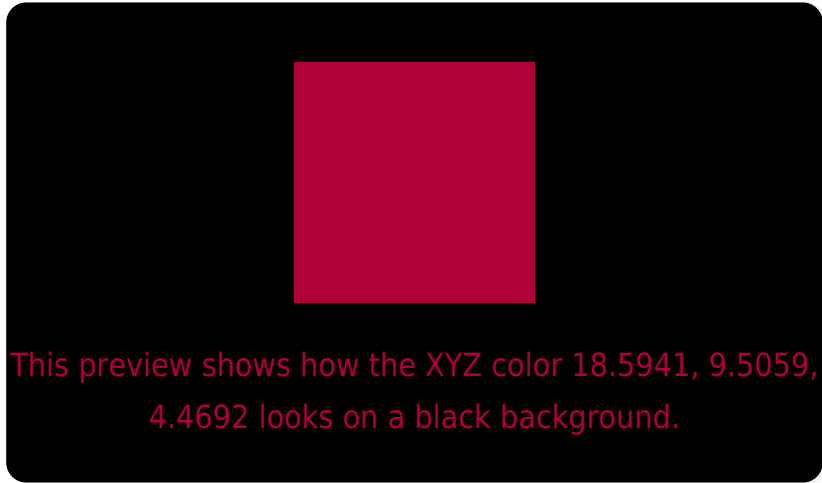
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

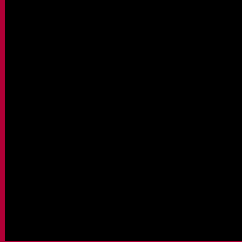
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.5941, 9.5059, 4.4692

Background



This preview shows how black text looks on a background with the XYZ color 18.5941, 9.5059, 4.4692.



This preview shows how white text looks on a background with the XYZ color 18.5941, 9.5059,

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

18.5941, 9.5059, 4.4692

Protanopia

9.5718, 10.0660, 9.2230

Deuteranopia

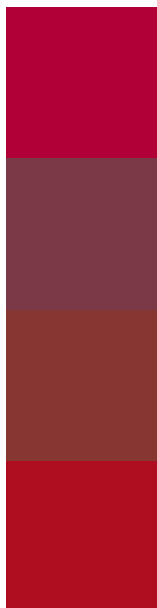
10.2713, 10.1758, 4.1121



Tritanopia

18.0836, 9.7348, 1.5420

Trichromacy



Original Color

18.5941, 9.5059, 4.4692

Protanomaly

10.8012, 7.6051, 7.0295

Deuteranomaly

11.7734, 8.0310, 3.9472

Tritanomaly

18.0969, 9.5323, 2.2526

Monochromacy



Original Color

18.5941, 9.5059, 4.4692

Achromatopsia

4.1570, 4.3735, 4.7627

Achromatomaly

6.9363, 4.5165, 4.5092

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.5941, 9.5059, 4.4692 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, 0, 55)` looks like.

```
.text, #text, p{  
    color:rgb(176, 0, 55)  
}
```

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, 0, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 0, 55) }
```

Border

The CSS property to change the border of an element to XYZ 18.5941, 9.5059, 4.4692 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, 0, 55) }
```


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

```
.border{ border-color:rgb(176, 0, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 0, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 0, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 0, 55);  
box-shadow:4px 4px 4px 4px rgb(176, 0, 55)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.5941, 9.5059, 4.4692 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 0, 55) }
```

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

```
.background{ background-color: rgb(176, 0,  
55) }
```

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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