

Converting Colors

XYZ(18.4993, 9.7608, 4.7459)

Have a look what the booklet for
XYZ(18.4993, 9.7608, 4.7459)
contains.

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Color

**XYZ(18.3945, 9.6950,
4.7727)**

Conversions

Conversions Part 1

Format	Color
Hex	AE1139
RGB	174, 17, 57
RGB Percent	68%, 7%, 22%
CMY	0.3176, 0.9332, 0.7765
CMYK	0.00, 0.90, 0.67, 0.32
HSL	345°, 82%, 37%
HSV	345°, 90%, 68%
XYZ	18.3945, 9.6950, 4.7727
YIQ	68.5030, 80.7320, 45.7240

Conversions

Conversions Part 2

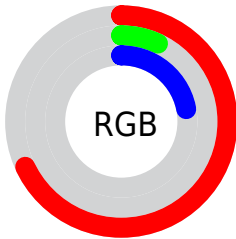
Format	Color
R_{YB}	174, 17, 57
Decimal	11407673
CIE _{Lab}	37.29, 59.52, 21.36
CIE _{LCh}	37, 63.236, 19.742
Yxy	9.6950, 0.5597, 0.2950
Android (android.graphics.Color)	4289597753 (0xFFAE1139)
YUV	68.5030, -5.6710, 92.5209
Hunter-Lab	31.1368, 50.9620, 12.7077

Details

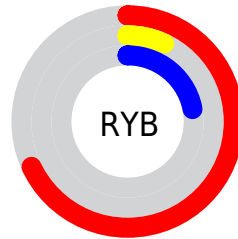
The XYZ color **18.3945, 9.6950, 4.7727** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **19.6721, 32.1131, 27.7238**, and the grayscale version is **5.5773, 5.8677, 6.3899**.

A 20% lighter version of the original color is **40.3393, 25.3293, 15.8596**, and **7.0257, 3.6119, 0.7788** is the 20% darker color. If you saturate the color by 10%, you get **17.9159, 9.1828, 3.2420**, and if you desaturate by 10%, it is **19.1441, 10.6088, 6.8279**.

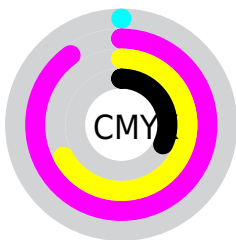
Distribution



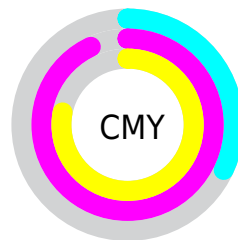
- Red (68%)
- Green (7%)
- Blue (22%)



- Red (68%)
- Yellow (7%)
- Blue (22%)



- Cyan (0%)
- Magenta (90%)
- Yellow (67%)
- Black (32%)




- Cyan (32%)
- Magenta (93%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.3945, 9.6950, 4.7727 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 18.3945, 9.6950, 4.7727 by changing the saturation by 10% instead.


 18.3945, 9.6950,
4.7727


 18.3945, 9.6950,
4.7727


236.0882,
188.4812, 156.4615


 11.3350, 5.1972,
2.0581


 40.2332, 25.2202,
15.7559

 6.3616, 2.3634,
0.5907


 55.7432, 37.0165,
24.8616


 3.1089, 0.8070,
0.0000

 74.8006, 52.0143,
36.9348

 1.2116, 0.0000,
0.0000

 97.7710, 70.5981,
52.3940

 0.1155, 0.0000,
0.0000

 125.0195, 93.1523,
71.6577

 0.0000, 0.0000,
0.0000

 156.9117,

120.0613, 95.1445

193.8128,
151.7094, 123.2729

■ 18.3945, 9.6950,
4.7727

■ 18.3945, 9.6950,
4.7727

■ 17.9159, 9.1828,
3.2420

■ 19.1441, 10.6088,
6.8279

■ 20.2344, 12.0623,
9.4327

■ 21.7042, 14.1250,
12.6261

■ 23.5867, 16.8554,
16.4429

■ 25.9111, 20.3050,
20.9151

■ 28.7041, 24.5201,
26.0723

■ 31.9902, 29.5435,
31.9425

■ 35.7921, 35.4145,
38.5517

■ 40.1310, 42.1698,
45.9249

Harmonies

Analogous

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



18.9157, 9.6950, 14.9327



18.3945, 9.6950, 4.7727



15.0598, 9.6950, 1.1296

Triad

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



18.3945, 9.6950, 4.7727



4.5416, 9.6950, 1.8069



7.9249, 9.6950, 49.8088

Complementary

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



18.3945, 9.6950, 4.7727



19.6721, 32.1131, 27.7238

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.



5.1197, 9.6950, 37.4561



18.3945, 9.6950, 4.7727



3.5714, 9.6950, 7.1312

Square

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



18.3945, 9.6950, 4.7727



6.8757, 9.6950, 0.3337



3.7474, 9.6950, 19.7631



12.0321, 9.6950, 47.2305

Rectangle

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



18.3945, 9.6950, 4.7727



12.1091, 9.6950, 0.3473



3.7474, 9.6950, 19.7631



6.8229, 9.6950, 47.0487

Sweetspot

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



18.3947, 9.6956, 4.7728



53.6089, 46.8243, 50.0788



17.3782, 8.3743, 40.7445



11.4999, 9.7753, 10.3795



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.



18.3947, 9.6956, 4.7728



32.4214, 16.6262, 5.4765



18.8597, 11.6450, 1.7849



8.0858, 8.0476, 8.7628



13.0156, 6.6688, 2.4617



0.3842, 0.1944, 0.1851

Inverse Universe

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



18.3947, 9.6956, 4.7728



32.4214, 16.6262, 5.4765



16.8700, 21.1724, 43.2416



8.0858, 8.0476, 8.7628



13.0156, 6.6688, 2.4617



0.3842, 0.1944, 0.1851

Previews

White Background



This preview shows how the XYZ color 18.3945, 9.6950, 4.7727 looks on a white background.

Color Contrast Check

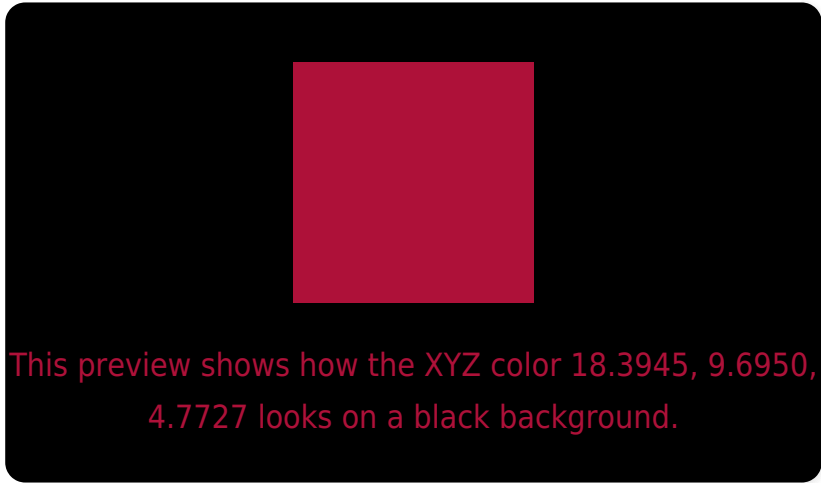
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.3945, 9.6950, 4.7727

Background



This preview shows how black text looks on a background with the XYZ color 18.3945, 9.6950, 4.7727.



This preview shows how white text looks on a background with the XYZ color 18.3945, 9.6950,

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

18.3945, 9.6950, 4.7727

Protanopia

9.6479, 10.0964, 9.6239

Deuteranopia

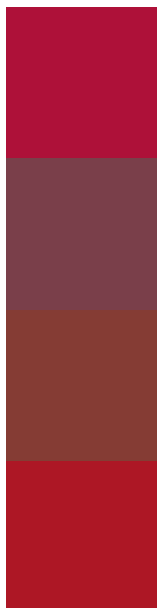
10.2333, 10.0337, 4.3031



Tritanopia

17.8010, 9.7383, 1.8612

Trichromacy



Original Color

18.3945, 9.6950, 4.7727

Protanomaly

11.0396, 8.1870, 7.4770

Deuteranomaly

11.9086, 8.4662, 4.2553

Tritanomaly

17.8739, 9.6306, 2.6671

Monochromacy



Original Color

18.3945, 9.6950, 4.7727

Achromatopsia

5.6565, 5.9511, 6.4808

Achromatomaly

8.1581, 5.7887, 5.6884

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.3945, 9.6950, 4.7727 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(174, 17, 57)` looks like.

```
.text, #text, p{  
    color:rgb(174, 17, 57)  
}
```

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(174, 17, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 17, 57) }
```

Border

The CSS property to change the border of an element to XYZ 18.3945, 9.6950, 4.7727 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(174, 17, 57) }
```


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

```
.border{ border-color:rgb(174, 17, 57) }
```

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

Here you see how a box with a 4 pixel rgb(174, 17, 57) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 17, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 17, 57);  
box-shadow:4px 4px 4px 4px rgb(174, 17,  
57) }
```

Background

The CSS property to change the background color of an element to XYZ 18.3945, 9.6950, 4.7727 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 17, 57) }
```

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

```
.background{ background-color: rgb(174, 17,  
57) }
```

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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