

Converting Colors

XYZ(19.5789, 9.9658, 6.6774)

Have a look what the booklet for
XYZ(19.5789, 9.9658, 6.6774)
contains.

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Color

**XYZ(19.4656, 9.9072,
6.6807)**

Conversions

Conversions Part 1

Format	Color
Hex	B20046
RGB	178, 0, 70
RGB Percent	70%, 0%, 27%
CMY	0.3020, 0.9999, 0.7255
CMYK	0.00, 1.00, 0.61, 0.30
HSL	336°, 100%, 35%
HSV	336°, 100%, 70%
XYZ	19.4656, 9.9072, 6.6807
YIQ	61.2020, 83.6180, 59.5060

Conversions

Conversions Part 2

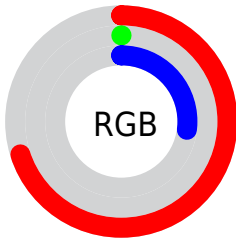
Format	Color
RYB	178, 0, 70
Decimal	11665478
CIELab	37.68, 63.36, 13.66
CIElCh	38, 64.819, 12.166
Yxy	9.9072, 0.5399, 0.2748
Android (android.graphics.Color)	4289855558 (0xFFB20046)
YUV	61.2020, 4.3374, 102.4318
Hunter-Lab	31.4757, 55.3077, 9.4487

Details

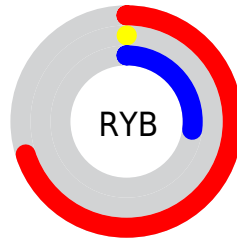
The XYZ color **19.4656, 9.9072, 6.6807** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **18.6291, 32.9242, 19.5691**, and the grayscale version is **4.4523, 4.6842, 5.1011**.

A 20% lighter version of the original color is **42.1476, 25.7181, 19.8822**, and **7.6808, 3.9354, 1.4534** is the 20% darker color. If you saturate the color by 10%, you get **19.4649, 9.9069, 6.6776**, and if you desaturate by 10%, it is **20.0514, 10.4832, 8.7124**.

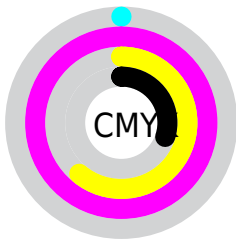
Distribution



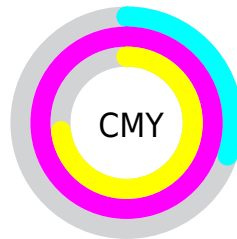
- Red (70%)
- Green (0%)
- Blue (27%)



- Red (70%)
- Yellow (0%)
- Blue (27%)



- Cyan (0%)
- Magenta (100%)
- Yellow (61%)
- Black (30%)





- Cyan (30%)
- Magenta (100%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.4656, 9.9072, 6.6807 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 19.4656, 9.9072, 6.6807 by changing the saturation by 10% instead.


 19.4656, 9.9072,
6.6807


 19.4656, 9.9072,
6.6807


241.8963,
190.0084, 174.5126


 12.1132, 5.3375,
3.1878


 42.0302, 25.6208,
19.8297


 6.8936, 2.4466,
1.1913


 57.9731, 37.5335,
30.3230


 3.4414, 0.8497,
0.0000

 77.5102, 52.6626,
43.9868

 1.3912, 0.0000,
0.0000

 101.0069, 71.3925,
61.2396

 0.2500, 0.0000,
0.0000

 128.8285, 94.1077,
82.5001

 0.0000, 0.0000,
0.0000

 161.3403,

121.1925, 108.1867

198.9078,
153.0312, 138.7180

■ 19.4656, 9.9072,
6.6807

■ 19.4656, 9.9072,
6.6807

■ 19.4649, 9.9069,
6.6776

■ 20.0514, 10.4832,
8.7124

■ 20.8943, 11.4703,
11.1474

■ 22.0713, 13.0180,
14.0256

■ 23.6203, 15.1978,
17.3727

■ 25.5737, 18.0704,
21.2120

■ 27.9600, 21.6891,
25.5648

■ 30.8053, 26.1022,
30.4512

■ 34.1332, 31.3539,
35.8899

■ 37.9660, 37.4848,
41.8987

Harmonies

Analogous

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



19.1388, 9.9072, 19.3245



19.4656, 9.9072, 6.6807



16.5852, 9.9072, 1.6044

Triad

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



19.4656, 9.9072, 6.6807



5.0401, 9.9072, 1.1994



7.1947, 9.9072, 49.9493

Complementary

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



19.4656, 9.9072, 6.6807



18.6291, 32.9242, 19.5691

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.



4.6841, 9.9072, 34.2784



19.4656, 9.9072, 6.6807



3.7130, 9.9072, 5.2281

Square

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



19.4656, 9.9072, 6.6807



7.8451, 9.9072, 0.1115



3.6052, 9.9072, 16.3041



11.1849, 9.9072, 51.5781

Rectangle

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



19.4656, 9.9072, 6.6807



13.6163, 9.9072, 0.5340



3.6052, 9.9072, 16.3041



6.1835, 9.9072, 45.8098

Sweetspot

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



19.4658, 9.9078, 6.6808



55.5649, 46.8675, 54.7209



14.0770, 6.3292, 42.5990



11.8150, 9.6117, 11.2832



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.



19.4658, 9.9078, 6.6808



35.1933, 17.9235, 11.5546



18.5737, 9.8921, 0.9313



8.6301, 8.5588, 9.5506



13.9565, 7.1002, 4.9310



0.4683, 0.2351, 0.3086

Inverse Universe

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



19.4658, 9.9078, 6.6808



35.1933, 17.9235, 11.5546



20.6422, 28.4265, 46.5182



8.6301, 8.5588, 9.5506



13.9565, 7.1002, 4.9310



0.4683, 0.2351, 0.3086

Previews

White Background



This preview shows how the XYZ color 19.4656, 9.9072, 6.6807 looks on a white background.

Color Contrast Check

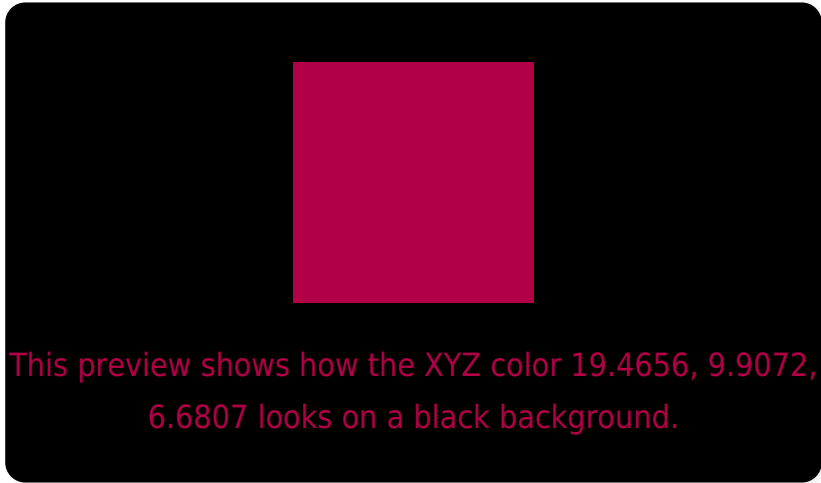
Large Text (above 18pt) WCAG AA ✓ Pass

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

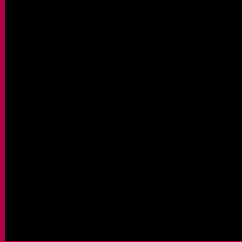
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.4656, 9.9072, 6.6807

Background



This preview shows how black text looks on a background with the XYZ color 19.4656, 9.9072, 6.6807.



This preview shows how white text looks on a background with the XYZ color 19.4656, 9.9072,

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

19.4656, 9.9072, 6.6807

Protanopia

10.3558, 10.6151, 14.0735

Deuteranopia

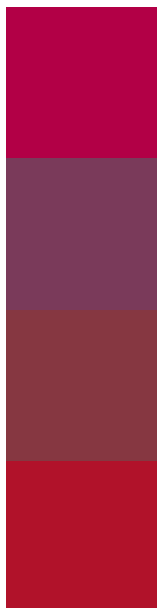
10.5844, 10.4154, 6.0099



Tritanopia

18.7332, 10.2522, 1.9688

Trichromacy



Original Color

19.4656, 9.9072, 6.6807

Protanomaly

11.3846, 7.9019, 10.5980

Deuteranomaly

12.1518, 8.1824, 5.9399

Tritanomaly

18.7657, 9.9469, 3.1214

Monochromacy



Original Color

19.4656, 9.9072, 6.6807

Achromatopsia

4.4355, 4.6665, 5.0818

Achromatomaly

7.3599, 4.7643, 5.3822

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.4656, 9.9072, 6.6807 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, 0, 70)` looks like.

```
.text, #text, p{  
    color:rgb(178, 0, 70)  
}
```

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, 0, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 0, 70) }
```

Border

The CSS property to change the border of an element to XYZ 19.4656, 9.9072, 6.6807 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, 0, 70) }
```


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

```
.border{ border-color:rgb(178, 0, 70) }
```

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

Here you see how a box with a 4 pixel rgb(178, 0, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 0, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 0, 70);  
box-shadow:4px 4px 4px 4px rgb(178, 0, 70)  
}
```

Background

The CSS property to change the background color of an element to XYZ 19.4656, 9.9072, 6.6807 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 0, 70) }
```

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

```
.background{ background-color: rgb(178, 0,  
70) }
```

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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