

Converting Colors

XYZ(19.8440, 11.2737, 4.8240)

Have a look what the booklet for
XYZ(19.8440, 11.2737, 4.8240)
contains.

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Color

**XYZ(19.8327, 11.2681,
4.8710)**

Conversions

Conversions Part 1

Format	Color
Hex	B22838
RGB	178, 40, 56
RGB Percent	70%, 16%, 22%
CMY	0.3020, 0.8431, 0.7804
CMYK	0.00, 0.78, 0.69, 0.30
HSL	353°, 63%, 43%
HSV	353°, 78%, 70%
XYZ	19.8327, 11.2681, 4.8710
YIQ	83.0860, 77.1120, 34.2320

Conversions

Conversions Part 2

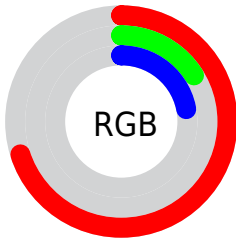
Format	Color
R _Y B	178, 40, 56
Decimal	11675704
CIE Lab	40.03, 55.06, 25.60
CIE LCh	40, 60.723, 24.937
Yxy	11.2681, 0.5513, 0.3132
Android (android.graphics.Color)	4289865784 (0xFFB22838)
YUV	83.0860, -13.3534, 83.2396
Hunter-Lab	33.5680, 46.7177, 14.8941

Details

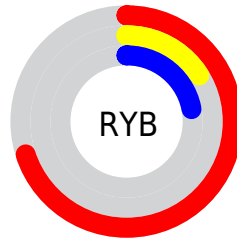
The XYZ color **19.8327, 11.2681, 4.8710** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **23.3183, 34.9009, 39.6949**, and the grayscale version is **8.2558, 8.6857, 9.4587**.

A 20% lighter version of the original color is **42.7510, 28.2399, 16.0296**, and **7.5505, 3.8833, 0.7671** is the 20% darker color. If you saturate the color by 10%, you get **19.0384, 10.2018, 2.9967**, and if you desaturate by 10%, it is **21.0247, 12.9365, 7.4750**.

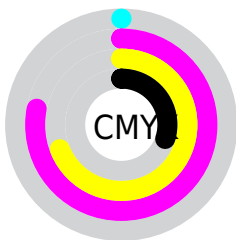
Distribution



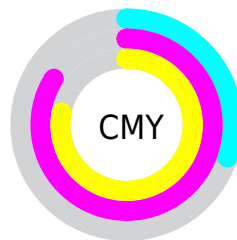
- Red (70%)
- Green (16%)
- Blue (22%)



- Red (70%)
- Yellow (16%)
- Blue (22%)



- Cyan (0%)
- Magenta (78%)
- Yellow (69%)
- Black (30%)





- Cyan (30%)
- Magenta (84%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.8327, 11.2681, 4.8710 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 19.8327, 11.2681, 4.8710 by changing the saturation by 10% instead.


 19.8327, 11.2681,
4.8710


 19.8327, 11.2681,
4.8710

243.8588,
199.4978, 157.4637


 12.3810, 6.2475,
2.1144


 42.6426, 28.1549,
15.9734


 7.0778, 2.9961,
0.6243


 58.7316, 40.7898,
25.1562


 3.5576, 1.1297,
0.0000

 78.4303, 56.7316,
37.3181

 1.4550, 0.0031,
0.0000

 102.1043, 76.3647,
52.8777

 0.2949, 0.0000,
0.0000

 130.1187,
100.0735, 72.2535

 0.0000, 0.0000,
0.0000

 162.8391,

128.2423, 95.8641

200.6307,
161.2556, 124.1280

■ 19.8327, 11.2681,
4.8710

■ 19.8327, 11.2681,
4.8710

■ 19.0384, 10.2018,
2.9967

■ 21.0247, 12.9365,
7.4750

■ 18.5783, 9.6288,
1.7724

■ 22.6575, 15.2763,
10.8733

■ 18.4919, 9.5177,
1.5538

■ 24.7694, 18.3495,
15.1242

■ 27.3942, 22.2106,
20.2802

■ 30.5628, 26.9088,
26.3895

■ 34.3036, 32.4893,
33.4968

■ 38.6428, 38.9941,
41.6443

■ 43.6053, 46.4625,
50.8715

■ 49.2143, 54.9316,
61.2158

Harmonies

Analogous

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



20.9410, 11.2681, 14.4262



19.8327, 11.2681, 4.8710



16.0537, 11.2681, 1.4039

Triad

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



19.8327, 11.2681, 4.8710



5.3649, 11.2681, 3.1995



10.0127, 11.2681, 52.7580

Complementary

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



19.8327, 11.2681, 4.8710



23.3183, 34.9009, 39.6949

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.



6.7071, 11.2681, 42.6222



19.8327, 11.2681, 4.8710



4.5100, 11.2681, 10.3384

Square

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



19.8327, 11.2681, 4.8710



7.6522, 11.2681, 0.9755



4.9277, 11.2681, 24.8379



14.4900, 11.2681, 47.4794

Rectangle

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



19.8327, 11.2681, 4.8710



12.9497, 11.2681, 0.7256



4.9277, 11.2681, 24.8379



8.7447, 11.2681, 50.9164

Sweetspot

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



19.8330, 11.2688, 4.8712



58.0932, 52.7726, 52.9473



23.6752, 12.4037, 43.2655



12.3546, 10.9233, 10.7467



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.



19.8330, 11.2688, 4.8712



33.8885, 17.7039, 3.7518



22.6493, 17.4305, 4.1791



8.5351, 8.5208, 9.0502



13.2438, 6.8151, 1.1781



0.4295, 0.2196, 0.1046

Inverse Universe

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



19.8330, 11.2688, 4.8712



33.8885, 17.7039, 3.7518



16.2581, 18.3592, 44.8060



8.5351, 8.5208, 9.0502



13.2438, 6.8151, 1.1781



0.4295, 0.2196, 0.1046

Previews

White Background



This preview shows how the XYZ color 19.8327, 11.2681, 4.8710 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



This preview shows how the XYZ color 19.8327, 11.2681, 4.8710 looks on a 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 19.8327, 11.2681, 4.8710

Background



This preview shows how black text looks on a background with the XYZ color 19.8327, 11.2681, 4.8710.



This preview shows how white text looks on a background with the XYZ color 19.8327, 11.2681,

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

19.8327, 11.2681, 4.8710

Protanopia

10.7986, 11.4869, 8.6692

Deuteranopia

11.6107, 11.4775, 4.3997



Tritanopia

19.6241, 11.2953, 3.4314

Trichromacy



Original Color

19.8327, 11.2681, 4.8710

Protanomaly

12.6435, 10.1290, 6.9189

Deuteranomaly

13.5624, 10.3627, 4.4174

Tritanomaly

19.6865, 11.2643, 3.9329

Monochromacy



Original Color

19.8327, 11.2681, 4.8710

Achromatopsia

8.2219, 8.6500, 9.4199

Achromatomaly

10.6810, 8.3469, 7.3515

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.8327, 11.2681, 4.8710 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, 40, 56)` looks like.

```
.text, #text, p{  
    color:rgb(178, 40, 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(178, 40, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 40, 56) }
```

Border

The CSS property to change the border of an element to XYZ 19.8327, 11.2681, 4.8710 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, 40, 56) }
```


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

```
.border{ border-color:rgb(178, 40, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 40, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 40, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 40, 56);  
box-shadow:4px 4px 4px 4px rgb(178, 40,  
56) }
```

Background

The CSS property to change the background color of an element to XYZ 19.8327, 11.2681, 4.8710 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 40, 56) }
```

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

```
.background{ background-color: rgb(178, 40,  
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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