

Converting Colors

XYZ(19.2663, 13.2608, 7.7180)

Have a look what the booklet for
XYZ(19.2663, 13.2608, 7.7180)
contains.

XYZ(19.2129, 13.2096, 7.6680)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(19.2129, 13.2096,
7.6680)**

Conversions

Conversions Part 1

Format	Color
Hex	A64848
RGB	166, 72, 72
RGB Percent	65%, 28%, 28%
CMY	0.3490, 0.7176, 0.7176
CMYK	0.00, 0.57, 0.57, 0.35
HSL	0°, 39%, 47%
HSV	0°, 57%, 65%
XYZ	19.2129, 13.2096, 7.6680
YIQ	100.1060, 56.0240, 19.9280

Conversions

Conversions Part 2

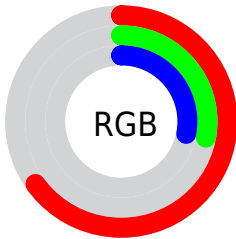
Format	Color
RYB	166, 72, 72
Decimal	10897480
CIELab	43.08, 38.80, 19.27
CIELCh	43, 43.318, 26.408
Yxy	13.2096, 0.4792, 0.3295
Android (android.graphics.Color)	4289087560 (0xFFA64848)
YUV	100.1060, -13.8563, 57.7890
Hunter-Lab	36.3450, 30.7559, 12.9326

Details

The XYZ color **19.2129, 13.2096, 7.6680** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **23.1906, 31.4012, 40.9148**, and the grayscale version is **12.1649, 12.7984, 13.9375**.

A 20% lighter version of the original color is **41.6492, 31.7789, 21.7081**, and **6.7786, 3.8402, 1.5464** is the 20% darker color. If you saturate the color by 10%, you get **17.8106, 11.1578, 4.8800**, and if you desaturate by 10%, it is **21.0518, 15.9007, 11.3231**.

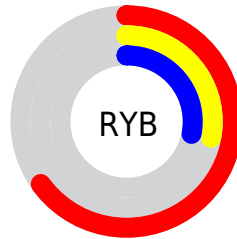
Distribution



Red (65%)

Green (28%)

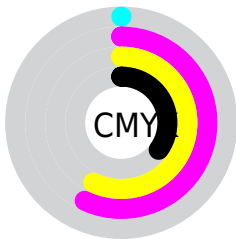
Blue (28%)



Red (65%)

Yellow (28%)

Blue (28%)

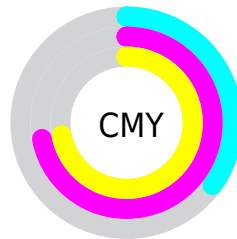


Cyan (0%)

Magenta (57%)

Yellow (57%)

Black (35%)



Cyan (35%)

Magenta (72%)

Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.2129, 13.2096, 7.6680 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 19.2129, 13.2096, 7.6680 by changing the saturation by 10% instead.

■ 19.2129, 13.2096,
7.6680

■ 19.2129, 13.2096,
7.6680

240.5372,
212.2566, 182.9406

■ 11.9291, 7.5730,
3.7985

■ 41.6076, 31.6798,
21.8403

■ 6.7673, 3.8230,
1.5155

■ 57.4493, 45.2823,
32.9802

■ 3.3620, 1.5750,
0.2294

■ 76.8743, 62.3088,
47.3807

■ 1.3480, 0.3407,
0.0000

■ 100.2481, 83.1438,
65.4603

■ 0.2187, 0.0000,
0.0000

■ 127.9359,
108.1717, 87.6375

■ 0.0000, 0.0000,
0.0000

160.3031,

137.7769, 114.3310

197.7151,
172.3437, 145.9591

■ 19.2129, 13.2096,
7.6680

■ 19.2129, 13.2096,
7.6680

■ 17.8106, 11.1578,
4.8800

■ 21.0518, 15.9007,
11.3231

■ 16.8079, 9.6905,
2.8868

■ 23.3583, 19.2757,
15.9082

■ 16.1634, 8.7475,
1.6058

■ 26.1616, 23.3779,
21.4812

■ 15.8173, 8.2410,
0.9178

■ 29.4885, 28.2461,
28.0949

■ 15.7258, 8.1071,
0.7360

■ 33.3637, 33.9165,
35.7987

■ 37.8103, 40.4232,
44.6385

■ 42.8503, 47.7980,
54.6578

■ 48.5042, 56.0712,
65.8977

■ 54.7917, 65.2716,
78.3974

Harmonies

Analogous

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



20.0973, 13.2096, 15.5637



19.2129, 13.2096, 7.6680



16.4446, 13.2096, 3.8729

Triad

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



19.2129, 13.2096, 7.6680



7.9386, 13.2096, 6.4317



12.1581, 13.2096, 41.5703

Complementary

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



19.2129, 13.2096, 7.6680



23.1906, 31.4012, 40.9148

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.



9.3334, 13.2096, 35.7231



19.2129, 13.2096, 7.6680



7.1848, 13.2096, 13.2636

Square

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



19.2129, 13.2096, 7.6680



9.9158, 13.2096, 3.4130



7.6465, 13.2096, 24.1853



15.6261, 13.2096, 37.8736

Rectangle

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



19.2129, 13.2096, 7.6680



14.1222, 13.2096, 2.9037



7.6465, 13.2096, 24.1853



11.1089, 13.2096, 40.6082

Sweetspot

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



19.2132, 13.2103, 7.6682



53.0713, 50.6087, 50.0993



24.9260, 15.4949, 37.7531



11.6037, 10.9263, 10.6692



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.



19.2132, 13.2103, 7.6682



31.7772, 19.4493, 7.7682



23.4923, 21.7685, 9.0946



7.5312, 7.5424, 7.8482



12.1947, 6.2868, 0.5707



0.2967, 0.1530, 0.0139

Inverse Universe

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



23.1906, 31.4012, 40.9148



39.7181, 55.7679, 74.1462



16.1523, 17.3246, 38.5687



7.7475, 8.5320, 9.6568



15.9103, 23.2809, 31.6306



0.3871, 0.5664, 0.7696

Previews

White Background



This preview shows how the XYZ color 19.2129, 13.2096, 7.6680 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 19.2129, 13.2096, 7.6680 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

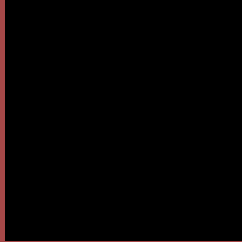
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.2129, 13.2096, 7.6680

Background



This preview shows how black text looks on a background with the XYZ color 19.2129, 13.2096, 7.6680.



This preview shows how white text looks on a background with the XYZ color 19.2129, 13.2096,

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

19.2129, 13.2096, 7.6680

Protanopia

12.5754, 13.3468, 10.5077

Deuteranopia

13.5794, 13.3637, 7.3326



Tritanopia

19.2836, 13.1353, 8.3565

Trichromacy



Original Color

19.2129, 13.2096, 7.6680

Protanomaly

14.2423, 12.7285, 9.2956

Deuteranomaly

15.2940, 13.0634, 7.3456

Tritanomaly

19.2491, 13.1215, 8.1748

Monochromacy



Original Color

19.2129, 13.2096, 7.6680

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

13.8138, 12.3356, 11.3258

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.2129, 13.2096, 7.6680 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(166, 72, 72)` looks like.

```
.text, #text, p{  
    color:rgb(166, 72, 72)  
}
```

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(166, 72, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 72, 72) }
```

Border

The CSS property to change the border of an element to XYZ 19.2129, 13.2096, 7.6680 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(166, 72, 72) }
```


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

```
.border{ border-color:rgb(166, 72, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 72, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 72, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 72, 72);  
box-shadow:4px 4px 4px 4px rgb(166, 72,  
72) }
```

Background

The CSS property to change the background color of an element to XYZ 19.2129, 13.2096, 7.6680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 72, 72) }
```

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

```
.background{ background-color: rgb(166, 72,  
72) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor