

Converting Colors

XYZ(15.8665, 16.8456, 8.1873)

Have a look what the booklet for
XYZ(15.8665, 16.8456, 8.1873)
contains.

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Color

**XYZ(15.9127, 16.8416,
8.2064)**

Conversions

Conversions Part 1

Format	Color
Hex	807146
RGB	128, 113, 70
RGB Percent	50%, 44%, 27%
CMY	0.4980, 0.5569, 0.7255
CMYK	0.00, 0.12, 0.45, 0.50
HSL	44°, 29%, 39%
HSV	44°, 45%, 50%
XYZ	15.9127, 16.8416, 8.2064
YIQ	112.5830, 22.7430, -10.1930

Conversions

Conversions Part 2

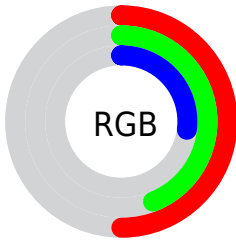
Format	Color
RYB	90, 128, 70
Decimal	8417606
CIELab	48.06, -0.55, 25.97
CIELCh	48, 25.972, 91.204
Yxy	16.8416, 0.3885, 0.4112
Android (android.graphics.Color)	4286607686 (0xFF807146)
YUV	112.5830, -20.9934, 13.5207
Hunter-Lab	41.0385, -2.6040, 16.8708

Details

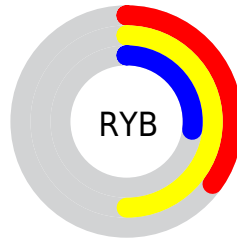
The XYZ color **15.9127, 16.8416, 8.2064** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **9.6705, 9.3573, 21.7186**, and the grayscale version is **15.6283, 16.4422, 17.9055**.

A 20% lighter version of the original color is **36.0763, 38.1873, 22.9222**, and **5.1263, 5.4286, 1.6973** is the 20% darker color. If you saturate the color by 10%, you get **15.1886, 15.9725, 6.1797**, and if you desaturate by 10%, it is **16.7373, 17.7737, 10.6920**.

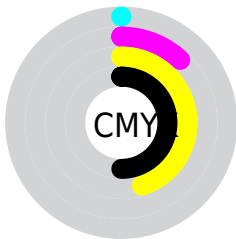
Distribution



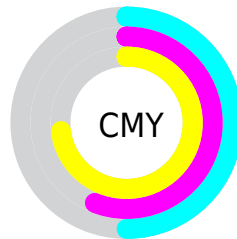
- Red (50%)
- Green (44%)
- Blue (27%)



- Red (35%)
- Yellow (50%)
- Blue (27%)



- Cyan (0%)
- Magenta (12%)
- Yellow (45%)
- Black (50%)



- Cyan (50%)
- Magenta (56%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.9127, 16.8416, 8.2064 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 15.9127, 16.8416, 8.2064 by changing the saturation by 10% instead.

■ 15.9127, 16.8416,
8.2064

■ 15.9127, 16.8416,
8.2064

222.1066,
234.2579, 187.3367

■ 9.5529, 10.1216,
4.1376

■ 36.0053, 38.0532,
22.9149

■ 5.1635, 5.4797,
1.7012

■ 50.4687, 53.3137,
34.3917

■ 2.3792, 2.5314,
0.3615

■ 68.3640, 72.1897,
49.1750

■ 0.8348, 0.8923,
0.0000

■ 90.0566, 95.0658,
67.6832

■ 0.0000, 0.0000,
0.0000

■ 115.9118,
122.3262, 90.3350

146.2949,

154.3555, 117.5488

181.5714,
191.5379, 149.7432

■ 15.9127, 16.8416,
8.2064

■ 15.9127, 16.8416,
8.2064

■ 15.1886, 15.9725,
6.1797

■ 16.7373, 17.7737,
10.6920

■ 14.5580, 15.1614,
4.5818

■ 17.6663, 18.7688,
13.6619

■ 14.0150, 14.4066,
3.3803

■ 18.7049, 19.8296,
17.1412

■ 13.5526, 13.7047,
2.5382

■ 19.8575, 20.9583,
21.1527

■ 13.1594, 13.0513,
1.9979

■ 21.1284, 22.1567,
25.7178

■ 12.9856, 12.7561,
1.7778

■ 22.5216, 23.4267,
30.8569

■ 24.0407, 24.7699,
36.5891

■ 25.6895, 26.1880,
42.9329

■ 27.4714, 27.6826,
49.9058

Harmonies

Analogous

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



18.2833, 16.8416, 9.1766



15.9127, 16.8416, 8.2064



13.7794, 16.8416, 9.3490

Triad

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



15.9127, 16.8416, 8.2064



12.4464, 16.8416, 25.8896



20.3012, 16.8416, 25.3015

Complementary

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



15.9127, 16.8416, 8.2064



9.6705, 9.3573, 21.7186

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.



18.4636, 16.8416, 31.7774



15.9127, 16.8416, 8.2064



13.9287, 16.8416, 32.1712

Square

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



15.9127, 16.8416, 8.2064



11.9027, 16.8416, 18.6108



16.1025, 16.8416, 34.5504



20.9615, 16.8416, 18.0671

Rectangle

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



15.9127, 16.8416, 8.2064



12.7387, 16.8416, 11.3678



16.1025, 16.8416, 34.5504



19.7924, 16.8416, 27.6959

Sweetspot

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



15.9131, 16.8424, 8.2067



33.1245, 35.1044, 30.8362



12.7507, 9.6330, 9.8794



7.6720, 8.1356, 6.9346



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



15.9131, 16.8424, 8.2067



26.7501, 28.1322, 10.9024



15.8250, 19.4894, 8.7223



4.5742, 4.8371, 4.6127



12.8772, 12.6509, 1.7632



0.0000, 0.0000, 0.0000

Inverse Universe

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



9.6705, 9.3573, 21.7186



14.3587, 13.2880, 37.7643



9.7011, 7.8024, 21.4168



4.1923, 4.3786, 5.4375



4.4064, 2.6313, 20.5256



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 15.9127, 16.8416, 8.2064 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 15.9127, 16.8416, 8.2064 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

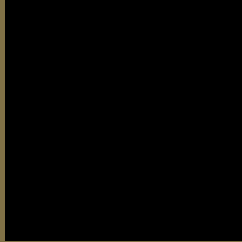
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.9127, 16.8416, 8.2064

Background



This preview shows how black text looks on a background with the XYZ color 15.9127, 16.8416, 8.2064.



This preview shows how white text looks on a background with the XYZ color 15.9127, 16.8416,

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

15.9127, 16.8416, 8.2064

Protanopia

15.5803, 16.8368, 8.2230

Deuteranopia

17.0872, 16.7955, 8.3025



Tritanopia

18.0829, 16.7629, 18.8055

Trichromacy



Original Color

15.9127, 16.8416, 8.2064

Protanomaly

15.7270, 16.9124, 8.2299

Deuteranomaly

16.5448, 16.6751, 8.3079

Tritanomaly

17.0808, 16.6634, 14.1205

Monochromacy



Original Color

15.9127, 16.8416, 8.2064

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

15.5340, 16.5249, 13.6802

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.9127, 16.8416, 8.2064 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(128, 113, 70)` looks like.

```
.text, #text, p{  
    color:rgb(128, 113, 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(128, 113, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 113, 70) }
```

Border

The CSS property to change the border of an element to XYZ 15.9127, 16.8416, 8.2064 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(128, 113, 70) }
```


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

```
.border{ border-color:rgb(128, 113, 70) }
```

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

Here you see how a box with a 4 pixel rgb(128, 113, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 113, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 113, 70);  
box-shadow:4px 4px 4px 4px rgb(128, 113,  
70) }
```

Background

The CSS property to change the background color of an element to XYZ 15.9127, 16.8416, 8.2064 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 113, 70) }
```

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

```
.background{ background-color: rgb(128,  
113, 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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