

Converting Colors

XYZ(18.7835, 18.2268, 19.7081)

Have a look what the booklet for
XYZ(18.7835, 18.2268, 19.7081)
contains.

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Color

**XYZ(18.8030, 18.2482,
19.6708)**

Conversions

Conversions Part 1

Format	Color
Hex	847276
RGB	132, 114, 118
RGB Percent	52%, 45%, 46%
CMY	0.4824, 0.5529, 0.5373
CMYK	0.00, 0.14, 0.11, 0.48
HSL	347°, 7%, 48%
HSV	347°, 14%, 52%
XYZ	18.8030, 18.2482, 19.6708
YIQ	119.8380, 9.4440, 5.0600

Conversions

Conversions Part 2

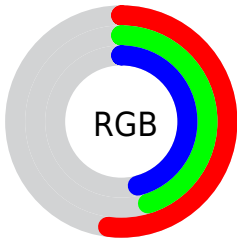
Format	Color
R_YB	132, 114, 118
Decimal	8680054
CIE _{Lab}	49.80, 7.74, 0.38
CIE _{LCh}	50, 7.746, 2.803
Yxy	18.2482, 0.3315, 0.3217
Android (android.graphics.Color)	4286870134 (0xFF847276)
YUV	119.8380, -0.9061, 10.6661
Hunter-Lab	42.7179, 3.8134, 2.6006

Details

The XYZ color **18.8030, 18.2482, 19.6708** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **19.0876, 21.6388, 23.5937**, and the grayscale version is **17.8020, 18.7291, 20.3959**.

A 20% lighter version of the original color is **40.8995, 40.4890, 43.6897**, and **6.5334, 6.1325, 6.6337** is the 20% darker color. If you saturate the color by 10%, you get **16.8429, 15.2518, 16.1691**, and if you desaturate by 10%, it is **21.0454, 21.7025, 23.5948**.

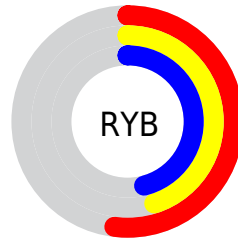
Distribution



Red (52%)

Green (45%)

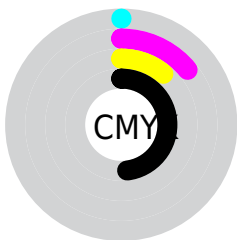
Blue (46%)



Red (52%)

Yellow (45%)

Blue (46%)

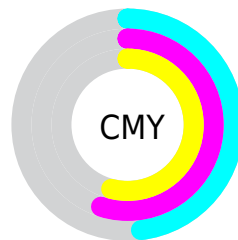


Cyan (0%)

Magenta (14%)

Yellow (11%)

Black (48%)



Cyan (48%)

Magenta (55%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8030, 18.2482, 19.6708 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 18.8030, 18.2482, 19.6708 by changing the saturation by 10% instead.

■ 18.8030, 18.2482,
19.6708

■ 18.8030, 18.2482,
19.6708

238.3181,
242.2663, 262.6724

■ 11.6312, 11.1283,
11.9743

■ 40.9204, 40.4598,
43.7163

■ 6.5635, 6.1532,
6.6038

■ 56.5967, 56.3203,
60.9023

■ 3.2345, 2.9385,
3.1409

■ 75.8385, 75.8632,
82.0885

■ 1.2790, 1.0997,
1.1670

■ 99.0112, 99.4728,
107.6936

■ 0.1674, 0.0000,
0.0000

126.4802,
127.5335, 138.1359

■ 0.0000, 0.0000,
0.0000

158.6107,

160.4297, 173.8342

195.7683,
198.5459, 215.2068

■ 18.8030, 18.2482,
19.6708

■ 18.8030, 18.2482,
19.6708

■ 16.8429, 15.2518,
16.1691

■ 21.0454, 21.7025,
23.5948

■ 15.1524, 12.6918,
13.0744

■ 23.5793, 25.6305,
27.9535

■ 13.7199, 10.5485,
10.3720

■ 26.4153, 30.0498,
32.7602

■ 12.5324, 8.7996,
8.0460

■ 29.5629, 34.9768,
38.0273

■ 11.5758, 7.4209,
6.0792

■ 33.0312, 40.4269,
43.7665

■ 10.8344, 6.3855,
4.4534

■ 36.8292, 46.4149,
49.9895

■ 10.2907, 5.6626,
3.1483

■ 40.9652, 52.9551,
56.7072

■ 9.9232, 5.2145,
2.1411

■ 45.4473, 60.0610,
63.9303

■ 9.7415, 4.9958,
1.6341

■ 50.2835, 67.7460,
71.6693

Harmonies

Analogous

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



18.6394, 18.2482, 21.7882



18.8030, 18.2482, 19.6708



18.5666, 18.2482, 17.7446

Triad

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



18.8030, 18.2482, 19.6708



16.5857, 18.2482, 16.6405



16.7029, 18.2482, 23.7139

Complementary

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



18.8030, 18.2482, 19.6708



19.0876, 21.6388, 23.5937

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.



16.1770, 18.2482, 22.1569



18.8030, 18.2482, 19.6708



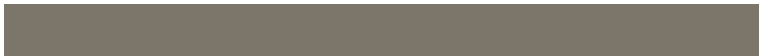
16.1107, 18.2482, 18.0663

Square

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



18.8030, 18.2482, 19.6708



17.2750, 18.2482, 16.0747



15.9632, 18.2482, 20.0689



17.4140, 18.2482, 24.2183

Rectangle

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



18.8030, 18.2482, 19.6708



18.2179, 18.2482, 16.8001



15.9632, 18.2482, 20.0689



16.4992, 18.2482, 23.2910

Sweetspot

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



18.8035, 18.2490, 19.6712



36.8805, 37.9338, 41.2308



19.0547, 18.2752, 24.3530



8.5214, 8.7312, 9.4863



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



18.8035, 18.2490, 19.6712



32.1334, 30.6294, 32.8980



19.1266, 19.2672, 18.6315



4.7118, 4.7044, 5.0948



9.4340, 4.8379, 1.5916



0.0350, 0.0177, 0.0178

Inverse Universe

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



18.8035, 18.2490, 19.6712



32.1334, 30.6294, 32.8980



18.7201, 20.4743, 24.7951



4.7118, 4.7044, 5.0948



9.4340, 4.8379, 1.5916



0.0350, 0.0177, 0.0178

Previews

White Background



This preview shows how the XYZ color 18.8030, 18.2482, 19.6708 looks on a white background.

Color Contrast Check

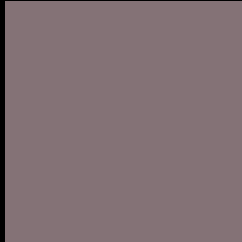
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.8030, 18.2482, 19.6708 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

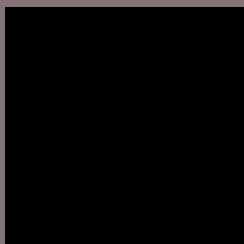
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.8030, 18.2482, 19.6708

Background



This preview shows how black text looks on a background with the XYZ color 18.8030, 18.2482, 19.6708.



This preview shows how white text looks on a background with the XYZ color 18.8030, 18.2482,

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

18.8030, 18.2482, 19.6708

Protanopia

17.6143, 18.3060, 20.3743

Deuteranopia

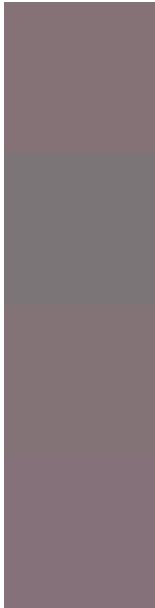
18.6067, 18.3153, 19.6941



Tritanopia

19.0908, 18.2019, 20.9195

Trichromacy



Original Color

18.8030, 18.2482, 19.6708

Protanomaly

18.0032, 18.3396, 20.0438

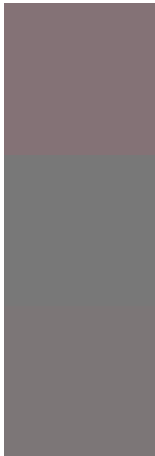
Deuteranomaly

18.7608, 18.3948, 19.7013

Tritanomaly

19.0292, 18.1773, 20.5948

Monochromacy



Original Color

18.8030, 18.2482, 19.6708

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

18.1204, 18.5739, 20.0828

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8030, 18.2482, 19.6708 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(132, 114, 118)` looks like.

```
.text, #text, p{  
    color:rgb(132, 114, 118)  
}
```

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(132, 114, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 114, 118) }
```

Border

The CSS property to change the border of an element to XYZ 18.8030, 18.2482, 19.6708 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(132, 114, 118) }
```


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

```
.border{ border-color:rgb(132, 114, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 114, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 114, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 114, 118);  
box-shadow:4px 4px 4px 4px rgb(132, 114,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8030, 18.2482, 19.6708 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 114, 118) }
```

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

```
.background{ background-color: rgb(132,  
114, 118) }
```

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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