

Converting Colors

XYZ(18.2875, 18.2842, 16.3145)

Have a look what the booklet for
XYZ(18.2875, 18.2842, 16.3145)
contains.

XYZ(18.2480, 18.2076, 16.1883)	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(18.2480, 18.2076,
16.1883)**

Conversions

Conversions Part 1

Format	Color
Hex	84736A
RGB	132, 115, 106
RGB Percent	52%, 45%, 42%
CMY	0.4824, 0.5490, 0.5843
CMYK	0.00, 0.13, 0.20, 0.48
HSL	21°, 11%, 47%
HSV	21°, 20%, 52%
XYZ	18.2480, 18.2076, 16.1883
YIQ	119.0570, 13.0210, 0.8050

Conversions

Conversions Part 2

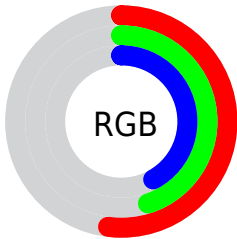
Format	Color
R_{YB}	132, 120, 106
Decimal	8680298
CIE _{Lab}	49.75, 5.05, 7.40
CIE _{LCh}	50, 8.964, 55.692
Yxy	18.2076, 0.3466, 0.3459
Android (android.graphics.Color)	4286870378 (0xFF84736A)
YUV	119.0570, -6.4371, 11.3510
Hunter-Lab	42.6704, 1.6625, 7.3758

Details

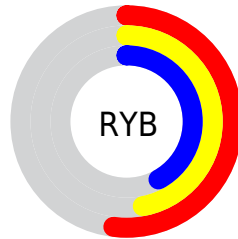
The XYZ color **18.2480, 18.2076, 16.1883** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **17.1916, 18.8957, 24.5712**, and the grayscale version is **17.5699, 18.4849, 20.1300**.

A 20% lighter version of the original color is **39.9121, 40.3860, 37.5900**, and **6.2762, 6.1239, 4.9889** is the 20% darker color. If you saturate the color by 10%, you get **16.6754, 16.0776, 12.5341**, and if you desaturate by 10%, it is **20.0194, 20.5658, 20.4306**.

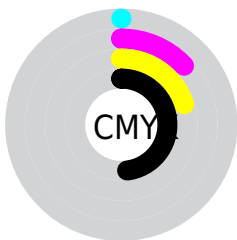
Distribution



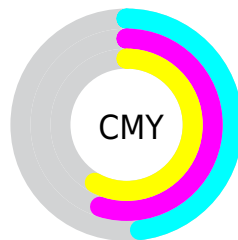
- Red (52%)
- Green (45%)
- Blue (42%)



- Red (52%)
- Yellow (47%)
- Blue (42%)



- Cyan (0%)
- Magenta (13%)
- Yellow (20%)
- Black (48%)



- Cyan (48%)
- Magenta (55%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.2480, 18.2076, 16.1883 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 18.2480, 18.2076, 16.1883 by changing the saturation by 10% instead.

■ 18.2480, 18.2076,
16.1883

■ 18.2480, 18.2076,
16.1883

235.2838,
242.0386, 242.3338

■ 11.2290, 11.0991,
9.5017

■ 39.9862, 40.3908,
37.6961

■ 6.2895, 6.1336,
4.9686

■ 55.4361, 56.2342,
53.3544

■ 3.0642, 2.9265,
2.1704

■ 74.4270, 75.7582,
72.8404

■ 1.1878, 1.0935,
0.6572

■ 97.3243, 99.3470,
96.5725

■ 0.0967, 0.0000,
0.0000

124.4932,
127.3850, 124.9694

■ 0.0000, 0.0000,
0.0000

156.2992,

160.2567, 158.4495

193.1076,
198.3464, 197.4315

■ 18.2480, 18.2076,
16.1883

■ 18.2480, 18.2076,
16.1883

■ 16.6754, 16.0776,
12.5341

■ 20.0194, 20.5658,
20.4306

■ 15.2929, 14.1664,
9.4407

■ 21.9951, 23.1563,
25.2843

■ 14.0930, 12.4675,
6.8801

■ 24.1821, 25.9864,
30.7731

■ 13.0674, 10.9731,
4.8217

■ 26.5867, 29.0622,
36.9188

■ 12.2069, 9.6748,
3.2316

■ 29.2150, 32.3895,
43.7423

■ 11.5014, 8.5639,
2.0717

■ 32.0726, 35.9740,
51.2637

■ 10.9395, 7.6304,
1.2976

■ 35.1652, 39.8212,
59.5020

■ 10.4937, 6.8579,
0.7821

■ 38.4980, 43.9365,
68.4756

■ 10.4813, 6.8366,
0.7672

■ 42.0763, 48.3249,
78.2022

Harmonies

Analogous

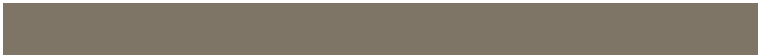
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



18.8282, 18.2076, 17.8551



18.2480, 18.2076, 16.1883



17.4294, 18.2076, 15.4952

Triad

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



18.2480, 18.2076, 16.1883



15.7193, 18.2076, 19.4738



18.0275, 18.2076, 24.3724

Complementary

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



18.2480, 18.2076, 16.1883



17.1916, 18.8957, 24.5712

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.



17.1827, 18.2076, 24.8944



18.2480, 18.2076, 16.1883



15.8677, 18.2076, 21.9347

Square

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



18.2480, 18.2076, 16.1883



15.9844, 18.2076, 17.2905



16.3966, 18.2076, 23.9692



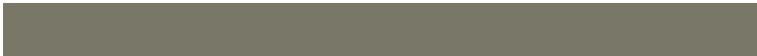
18.6980, 18.2076, 22.5958

Rectangle

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



18.2480, 18.2076, 16.1883



16.8654, 18.2076, 15.6331



16.3966, 18.2076, 23.9692



17.7538, 18.2076, 24.7063

Sweetspot

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



18.2485, 18.2084, 16.1887



36.4617, 37.8042, 38.9083



18.2661, 16.6523, 21.1002



8.4467, 8.7460, 8.9552



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.



18.2485, 18.2084, 16.1887



30.7607, 30.2084, 25.2745



19.7932, 21.2979, 16.7036



4.7947, 4.9330, 4.9288



10.1531, 6.6288, 0.7444



0.0415, 0.0356, 0.0047

Inverse Universe

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



17.1916, 18.8957, 24.5712



28.5170, 31.6647, 43.0621



15.7209, 15.9543, 24.0809



4.6695, 5.0146, 5.9226



7.2827, 8.1133, 22.3189



0.0321, 0.0418, 0.0796

Previews

White Background



This preview shows how the XYZ color 18.2480, 18.2076, 16.1883 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 18.2480, 18.2076, 16.1883 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

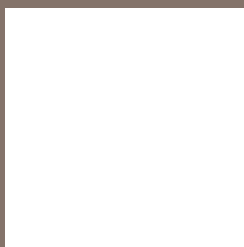
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.2480, 18.2076, 16.1883

Background



This preview shows how black text looks on a background with the XYZ color 18.2480, 18.2076, 16.1883.

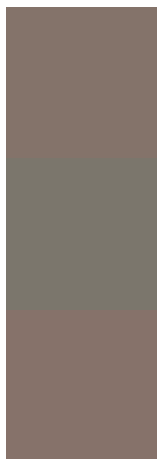


This preview shows how white text looks on a background with the XYZ color 18.2480, 18.2076,

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

18.2480, 18.2076, 16.1883

Protanopia

17.3536, 18.2505, 16.7954

Deuteranopia

18.4503, 18.1436, 16.1653



Tritanopia

19.2495, 18.2837, 20.9269

Trichromacy



Original Color

18.2480, 18.2076, 16.1883

Protanomaly

17.6193, 18.2197, 16.4980

Deuteranomaly

18.2917, 18.0618, 16.1579

Tritanomaly

18.8426, 18.2821, 19.0587

Monochromacy



Original Color

18.2480, 18.2076, 16.1883

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

17.8279, 18.4569, 18.5425

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.2480, 18.2076, 16.1883 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, 115, 106)` looks like.

```
.text, #text, p{  
    color:rgb(132, 115, 106)  
}
```

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, 115, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 115, 106) }
```

Border

The CSS property to change the border of an element to XYZ 18.2480, 18.2076, 16.1883 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, 115, 106) }
```


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

```
.border{ border-color:rgb(132, 115, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 115, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 115, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 115, 106);  
box-shadow:4px 4px 4px 4px rgb(132, 115,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 18.2480, 18.2076, 16.1883 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 115, 106) }
```

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

```
.background{ background-color: rgb(132,  
115, 106) }
```

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