

Converting Colors

XYZ(18.7732, 22.0064, 14.9955)

Have a look what the booklet for
XYZ(18.7732, 22.0064, 14.9955)
contains.

XYZ(18.8033, 22.0886, 15.0769)	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(18.8033, 22.0886,
15.0769)**

Conversions

Conversions Part 1

Format	Color
Hex	7A8663
RGB	122, 134, 99
RGB Percent	48%, 53%, 39%
CMY	0.5216, 0.4745, 0.6118
CMYK	0.09, 0.00, 0.26, 0.47
HSL	81°, 15%, 46%
HSV	81°, 26%, 53%
XYZ	18.8033, 22.0886, 15.0769
YIQ	126.4220, 4.0830, -13.4290

Conversions

Conversions Part 2

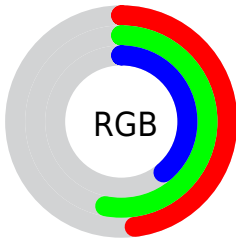
Format	Color
R_{YB}	99, 134, 111
Decimal	8029795
CIE Lab	54.12, -10.90, 17.43
CIE LCh	54, 20.558, 122.032
Yxy	22.0886, 0.3360, 0.3947
Android (android.graphics.Color)	4286219875 (0xFF7A8663)
YUV	126.4220, -13.5190, -3.8781
Hunter-Lab	46.9985, -10.8326, 13.8790

Details

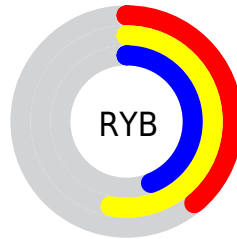
The XYZ color **18.8033, 22.0886, 15.0769** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **15.3213, 14.0250, 24.4550**, and the grayscale version is **20.0192, 21.0617, 22.9362**.

A 20% lighter version of the original color is **40.9545, 46.8566, 35.7399**, and **6.5378, 8.0050, 4.4494** is the 20% darker color. If you saturate the color by 10%, you get **17.5800, 21.5266, 11.9486**, and if you desaturate by 10%, it is **20.1649, 22.7109, 18.7676**.

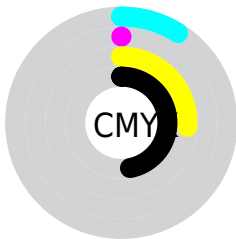
Distribution



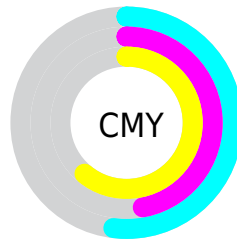
- Red (48%)
- Green (53%)
- Blue (39%)



- Red (39%)
- Yellow (53%)
- Blue (44%)



- Cyan (9%)
- Magenta (0%)
- Yellow (26%)
- Black (47%)



- Cyan (52%)
- Magenta (47%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8033, 22.0886, 15.0769 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 18.8033, 22.0886, 15.0769 by changing the saturation by 10% instead.

■ 18.8033, 22.0886,
15.0769

■ 18.8033, 22.0886,
15.0769

238.3197,
263.0086, 235.4880

■ 11.6314, 13.9220,
8.7262

■ 40.9209, 46.8924,
35.7322

■ 6.5636, 8.0664,
4.4686

■ 56.5973, 64.2984,
50.8739

■ 3.2346, 4.1375,
1.8858

■ 75.8393, 85.5530,
69.7830

■ 1.2790, 1.7508,
0.4837

■ 99.0121, 111.0405,
92.8780

■ 0.1674, 0.4562,
0.0000

126.4813,
141.1455, 120.5774

■ 0.0000, 0.0000,
0.0000

158.6120,

176.2522, 153.2999

195.7697,
216.7451, 191.4639

■ 18.8033, 22.0886,
15.0769

■ 18.8033, 22.0886,
15.0769

■ 17.5800, 21.5266,
11.9486

■ 20.1649, 22.7109,
18.7676

■ 16.4875, 21.0197,
9.3535

■ 21.6683, 23.3929,
23.0450

■ 15.5204, 20.5664,
7.2623

■ 23.3192, 24.1374,
27.9336

■ 14.6719, 20.1640,
5.6420

■ 25.1221, 24.9465,
33.4563

■ 13.9346, 19.8094,
4.4557

■ 27.0816, 25.8219,
39.6346

■ 13.3000, 19.4992,
3.6611

■ 29.2020, 26.7655,
46.4891

■ 12.7544, 19.2279,
3.1884

■ 31.4874, 27.7789,
54.0396

■ 12.5550, 19.1283,
3.0304

■ 33.9417, 28.8638,
62.3048

■ 36.5688, 30.0216,
71.3030

Harmonies

Analogous

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



20.8430, 22.0886, 13.7549



18.8033, 22.0886, 15.0769



17.4336, 22.0886, 18.7435

Triad

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



18.8033, 22.0886, 15.0769



19.0489, 22.0886, 36.5959



25.5735, 22.0886, 23.6183

Complementary

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



18.8033, 22.0886, 15.0769



15.3213, 14.0250, 24.4550

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.



25.0101, 22.0886, 30.2757



18.8033, 22.0886, 15.0769



21.1468, 22.0886, 38.5139

Square

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



18.8033, 22.0886, 15.0769



17.5682, 22.0886, 31.1628



23.3498, 22.0886, 36.0233



24.8398, 22.0886, 18.1125

Rectangle

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



18.8033, 22.0886, 15.0769



17.0312, 22.0886, 22.3898



23.3498, 22.0886, 36.0233



25.5294, 22.0886, 25.7918

Sweetspot

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



18.8039, 22.0896, 15.0774



37.6101, 40.9580, 38.9650



17.7326, 17.2662, 14.2028



8.3919, 9.1906, 8.5450



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.



18.8039, 22.0896, 15.0774



31.9004, 38.3536, 23.3785



16.5841, 20.9452, 14.9735



4.8888, 5.3452, 5.0034



11.7770, 17.9312, 2.8404



0.0487, 0.0662, 0.0102

Inverse Universe

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



15.3213, 14.0250, 24.4550



24.7498, 21.7906, 42.6399



17.6929, 15.2476, 24.5660



4.5739, 4.6165, 5.8507



5.0971, 2.1618, 21.2853



0.0249, 0.0112, 0.0741

Previews

White Background



This preview shows how the XYZ color 18.8033, 22.0886, 15.0769 looks on a white 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

Black Background



This preview shows how the XYZ color 18.8033, 22.0886, 15.0769 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 18.8033, 22.0886, 15.0769

Background



This preview shows how black text looks on a background with the XYZ color 18.8033, 22.0886, 15.0769.



This preview shows how white text looks on a background with the XYZ color 18.8033, 22.0886,

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

18.8033, 22.0886, 15.0769

Protanopia

20.4892, 21.9669, 14.4694

Deuteranopia

22.3191, 21.9342, 15.3693



Tritanopia

21.4125, 22.1538, 27.5736

Trichromacy



Original Color

18.8033, 22.0886, 15.0769

Protanomaly

19.8366, 22.0200, 14.7601

Deuteranomaly

20.8346, 21.9339, 15.1922

Tritanomaly

20.3586, 22.1235, 22.2660

Monochromacy



Original Color

18.8033, 22.0886, 15.0769

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

19.4601, 21.3214, 19.6128

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8033, 22.0886, 15.0769 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(122, 134, 99)` looks like.

```
.text, #text, p{  
    color:rgb(122, 134, 99)  
}
```

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(122, 134, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 134, 99) }
```

Border

The CSS property to change the border of an element to XYZ 18.8033, 22.0886, 15.0769 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(122, 134, 99) }
```


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

```
.border{ border-color:rgb(122, 134, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 134, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 134, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 134, 99);  
box-shadow:4px 4px 4px 4px rgb(122, 134,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8033, 22.0886, 15.0769 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 134, 99) }
```

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

```
.background{ background-color: rgb(122,  
134, 99) }
```

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