

Converting Colors

XYZ(18.1008, 18.5615, 12.4468)

Have a look what the booklet for
XYZ(18.1008, 18.5615, 12.4468)
contains.

XYZ(18.0811, 18.5462, 12.5243)	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(18.0811, 18.5462,
12.5243)**

Conversions

Conversions Part 1

Format	Color
Hex	86755B
RGB	134, 117, 91
RGB Percent	53%, 46%, 36%
CMY	0.4745, 0.5412, 0.6431
CMYK	0.00, 0.13, 0.32, 0.47
HSL	36°, 19%, 44%
HSV	36°, 32%, 53%
XYZ	18.0811, 18.5462, 12.5243
YIQ	119.1190, 18.4780, -4.4820

Conversions

Conversions Part 2

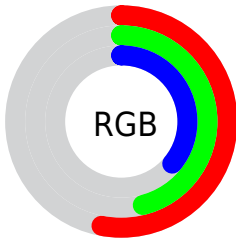
Format	Color
RYB	119, 134, 91
Decimal	8811867
CIELab	50.15, 2.42, 16.79
CIELCh	50, 16.963, 81.783
Yxy	18.5462, 0.3679, 0.3773
Android (android.graphics.Color)	4287001947 (0xFF86755B)
YUV	119.1190, -13.8627, 13.0506
Hunter-Lab	43.0653, -0.4205, 12.9029

Details

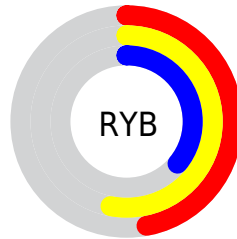
The XYZ color **18.0811, 18.5462, 12.5243** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **13.9799, 14.6701, 24.6491**, and the grayscale version is **17.6110, 18.5282, 20.1772**.

A 20% lighter version of the original color is **39.7347, 40.9904, 31.0170**, and **6.1691, 6.2847, 3.3705** is the 20% darker color. If you saturate the color by 10%, you get **16.9543, 17.1364, 9.5470**, and if you desaturate by 10%, it is **19.3471, 20.0689, 16.0577**.

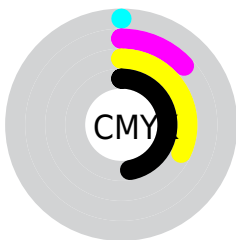
Distribution



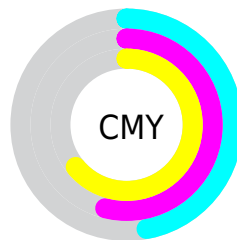
- Red (53%)
- Green (46%)
- Blue (36%)



- Red (47%)
- Yellow (53%)
- Blue (36%)



- Cyan (0%)
- Magenta (13%)
- Yellow (32%)
- Black (47%)



- Cyan (47%)
- Magenta (54%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.0811, 18.5462, 12.5243 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 18.0811, 18.5462, 12.5243 by changing the saturation by 10% instead.

■ 18.0811, 18.5462,
12.5243

■ 18.0811, 18.5462,
12.5243

234.3645,
243.9319, 218.9457

■ 11.1083, 11.3428,
6.9750

■ 39.7045, 40.9659,
31.1250

■ 6.2075, 6.2979,
3.3682

■ 55.0857, 56.9510,
45.0135

■ 3.0135, 3.0271,
1.2856

■ 74.0005, 76.6321,
62.5188

■ 1.1609, 1.1459,
0.0499

■ 96.8141, 100.3936,
84.0593

■ 0.0752, 0.0168,
0.0000

123.8920,
128.6200, 110.0538

■ 0.0000, 0.0000,
0.0000

155.5994,

161.6956, 140.9206

192.3018,
200.0047, 177.0784

■ 18.0811, 18.5462,
12.5243

■ 18.0811, 18.5462,
12.5243

■ 16.9543, 17.1364,
9.5470

■ 19.3471, 20.0689,
16.0577

■ 15.9590, 15.8335,
7.0956

■ 20.7564, 21.7050,
20.1731

■ 15.0894, 14.6349,
5.1385

■ 22.3149, 23.4584,
24.8960

■ 14.3379, 13.5367,
3.6406

■ 24.0275, 25.3320,
30.2502

■ 13.6966, 12.5346,
2.5617

■ 25.8989, 27.3285,
36.2581

■ 13.1557, 11.6237,
1.8548

■ 27.9338, 29.4505,
42.9410

■ 12.7764, 10.9580,
1.4417

■ 30.1364, 31.7006,
50.3193

■ 32.5109, 34.0811,
58.4125

■ 35.0613, 36.5946,
67.2393

Harmonies

Analogous

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



19.6464, 18.5462, 13.9096



18.0811, 18.5462, 12.5243



16.4857, 18.5462, 12.9292

Triad

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



18.0811, 18.5462, 12.5243



14.8646, 18.5462, 23.7252



20.2167, 18.5462, 26.2963

Complementary

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



18.0811, 18.5462, 12.5243



13.9799, 14.6701, 24.6491

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.



18.8210, 18.5462, 29.7692



18.0811, 18.5462, 12.5243



15.7521, 18.5462, 28.1321

Square

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



18.0811, 18.5462, 12.5243



14.6936, 18.5462, 18.9331



17.1818, 18.5462, 30.4884



20.9283, 18.5462, 21.5090

Rectangle

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



18.0811, 18.5462, 12.5243



15.6133, 18.5462, 14.1926



17.1818, 18.5462, 30.4884



19.8081, 18.5462, 27.6850

Sweetspot

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



18.0816, 18.5471, 12.5247



37.0637, 38.8036, 37.0155



16.2902, 13.6377, 16.0171



8.2791, 8.6613, 8.1270



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.



18.0816, 18.5471, 12.5247



30.2942, 30.7304, 17.9090



19.5735, 22.5277, 13.2144



4.8893, 5.1222, 4.9604



11.9840, 10.2905, 1.3546



0.0487, 0.0499, 0.0071

Inverse Universe

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



13.9799, 14.6701, 24.6491



21.8186, 22.7229, 42.9744



12.7949, 11.6526, 24.1291



4.5743, 4.8243, 5.8908



5.2343, 4.0163, 21.6361



0.0249, 0.0275, 0.0772

Previews

White Background



This preview shows how the XYZ color 18.0811, 18.5462, 12.5243 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 18.0811, 18.5462, 12.5243 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 18.0811, 18.5462, 12.5243

Background



This preview shows how black text looks on a background with the XYZ color 18.0811, 18.5462, 12.5243.



This preview shows how white text looks on a background with the XYZ color 18.0811, 18.5462,

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

18.0811, 18.5462, 12.5243

Protanopia

17.2810, 18.4784, 12.7811

Deuteranopia

18.8343, 18.5922, 12.4935



Tritanopia

19.7345, 18.5338, 20.9496

Trichromacy



Original Color

18.0811, 18.5462, 12.5243

Protanomaly

17.6161, 18.4754, 12.7629

Deuteranomaly

18.6150, 18.6494, 12.5161

Tritanomaly

19.0399, 18.4166, 17.5902

Monochromacy



Original Color

18.0811, 18.5462, 12.5243

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

17.5509, 18.3461, 17.0841

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.0811, 18.5462, 12.5243 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(134, 117, 91)` looks like.

```
.text, #text, p{  
    color:rgb(134, 117, 91)  
}
```

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(134, 117, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 117, 91) }
```

Border

The CSS property to change the border of an element to XYZ 18.0811, 18.5462, 12.5243 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(134, 117, 91) }
```


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

```
.border{ border-color:rgb(134, 117, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 117, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 117, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 117, 91);  
box-shadow:4px 4px 4px 4px rgb(134, 117,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 18.0811, 18.5462, 12.5243 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 117, 91) }
```

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

```
.background{ background-color: rgb(134,  
117, 91) }
```

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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