

Converting Colors

XYZ(18.2733, 20.6017, 15.6827)

Have a look what the booklet for
XYZ(18.2733, 20.6017, 15.6827)
contains.

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Color

**XYZ(18.2858, 20.6086,
15.5845)**

Conversions

Conversions Part 1

Format	Color
Hex	7B8066
RGB	123, 128, 102
RGB Percent	48%, 50%, 40%
CMY	0.5176, 0.4980, 0.6000
CMYK	0.04, 0.00, 0.20, 0.50
HSL	72°, 11%, 45%
HSV	72°, 20%, 50%
XYZ	18.2858, 20.6086, 15.5845
YIQ	123.5410, 5.3660, -9.1460

Conversions

Conversions Part 2

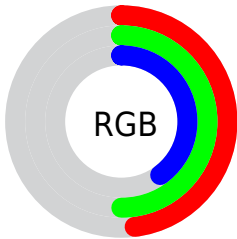
Format	Color
RYB	102, 128, 107
Decimal	8093798
CIELab	52.52, -6.69, 13.52
CIElCh	53, 15.084, 116.348
Yxy	20.6086, 0.3356, 0.3783
Android (android.graphics.Color)	4286283878 (0xFF7B8066)
YUV	123.5410, -10.6197, -0.4745
Hunter-Lab	45.3967, -7.5444, 11.4237

Details

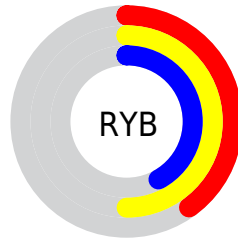
The XYZ color **18.2858, 20.6086, 15.5845** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **14.7119, 14.1877, 22.3863**, and the grayscale version is **19.0389, 20.0304, 21.8131**.

A 20% lighter version of the original color is **40.1781, 44.5778, 36.6237**, and **6.3096, 7.3236, 4.6955** is the 20% darker color. If you saturate the color by 10%, you get **17.3517, 20.1954, 12.4791**, and if you desaturate by 10%, it is **19.3279, 21.0674, 19.2076**.

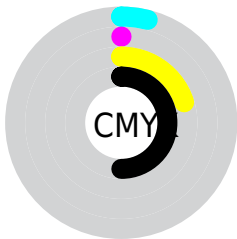
Distribution



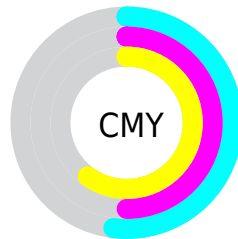
- Red (48%)
- Green (50%)
- Blue (40%)



- Red (40%)
- Yellow (50%)
- Blue (42%)



- Cyan (4%)
- Magenta (0%)
- Yellow (20%)
- Black (50%)



- Cyan (52%)
- Magenta (50%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.2858, 20.6086, 15.5845 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 18.2858, 20.6086, 15.5845 by changing the saturation by 10% instead.

■ 18.2858, 20.6086,
15.5845

■ 18.2858, 20.6086,
15.5845

235.4916,
255.1910, 238.6387

■ 11.2563, 12.8382,
9.0795

■ 40.0500, 44.4352,
36.6321

■ 6.3081, 7.3172,
4.6955

■ 55.5154, 61.2602,
52.0116

■ 3.0757, 3.6613,
2.0142

■ 74.5235, 81.8722,
71.1865

■ 1.1939, 1.4859,
0.5640

■ 97.4396, 106.6556,
94.5752

■ 0.1016, 0.2788,
0.0000

124.6291,
135.9948, 122.5962

■ 0.0000, 0.0000,
0.0000

156.4574,

170.2742, 155.6681

193.2898,
209.8781, 194.2094

■ 18.2858, 20.6086,
15.5845

■ 18.2858, 20.6086,
15.5845

■ 17.3517, 20.1954,
12.4791

■ 19.3279, 21.0674,
19.2076

■ 16.5194, 19.8234,
9.8664

■ 20.4807, 21.5707,
23.3691

■ 15.7846, 19.4913,
7.7213

■ 21.7487, 22.1212,
28.0903

■ 15.1419, 19.1970,
6.0162

■ 23.1356, 22.7203,
33.3909

■ 14.5855, 18.9383,
4.7204

■ 24.6452, 23.3695,
39.2896

■ 14.1087, 18.7124,
3.7993

■ 26.2809, 24.0703,
45.8044

■ 13.7037, 18.5162,
3.2125

■ 28.0460, 24.8238,
52.9525

■ 13.3561, 18.3449,
2.8370

■ 29.9437, 25.6315,
60.7502

■ 31.9770, 26.4945,
69.2136

Harmonies

Analogous

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



19.7797, 20.6086, 14.9079



18.2858, 20.6086, 15.5845



17.1943, 20.6086, 18.0052

Triad

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



18.2858, 20.6086, 15.5845



17.9713, 20.6086, 30.3816



22.7383, 20.6086, 22.9912

Complementary

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



18.2858, 20.6086, 15.5845



14.7119, 14.1877, 22.3863

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.



22.1939, 20.6086, 27.5473



18.2858, 20.6086, 15.5845



19.3973, 20.6086, 32.1567

Square

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



18.2858, 20.6086, 15.5845



17.0196, 20.6086, 26.4743



20.9503, 20.6086, 31.0566



22.4023, 20.6086, 18.8365

Rectangle

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



18.2858, 20.6086, 15.5845



16.8137, 20.6086, 20.4711



20.9503, 20.6086, 31.0566



22.6515, 20.6086, 24.5297

Sweetspot

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



18.2863, 20.6095, 15.5849



34.8512, 37.4505, 36.7578



16.5345, 16.0159, 14.7906



8.1352, 8.7575, 8.5182



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.



18.2863, 20.6095, 15.5849



31.4742, 35.9660, 25.0118



16.5777, 19.7286, 15.5050



4.5868, 4.9790, 4.6394



13.2439, 18.1899, 2.8130



0.0000, 0.0000, 0.0000

Inverse Universe

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



14.7119, 14.1877, 22.3863



24.0888, 22.6955, 39.0673



16.3618, 15.0382, 22.4635



4.1802, 4.2485, 5.4130



4.2529, 1.7462, 20.3628



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 18.2858, 20.6086, 15.5845 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 18.2858, 20.6086, 15.5845 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

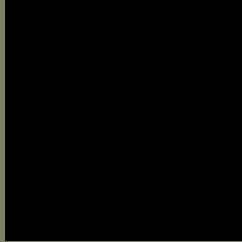
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.2858, 20.6086, 15.5845

Background



This preview shows how black text looks on a background with the XYZ color 18.2858, 20.6086, 15.5845.



This preview shows how white text looks on a background with the XYZ color 18.2858, 20.6086,

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

18.2858, 20.6086, 15.5845

Protanopia

19.3554, 20.5934, 15.2667

Deuteranopia

20.8922, 20.4522, 15.9432



Tritanopia

20.1937, 20.6208, 25.1062

Trichromacy



Original Color

18.2858, 20.6086, 15.5845

Protanomaly

18.8631, 20.5284, 15.2801

Deuteranomaly

19.8477, 20.4636, 15.7357

Tritanomaly

19.4507, 20.5080, 21.3456

Monochromacy



Original Color

18.2858, 20.6086, 15.5845

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

18.7982, 20.2133, 19.4338

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.2858, 20.6086, 15.5845 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(123, 128, 102)` looks like.

```
.text, #text, p{  
    color:rgb(123, 128, 102)  
}
```

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(123, 128, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 128, 102) }
```

Border

The CSS property to change the border of an element to XYZ 18.2858, 20.6086, 15.5845 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(123, 128, 102) }
```


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

```
.border{ border-color:rgb(123, 128, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 128, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 128, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 128, 102);  
box-shadow:4px 4px 4px 4px rgb(123, 128,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 18.2858, 20.6086, 15.5845 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 128, 102) }
```

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

```
.background{ background-color: rgb(123,  
128, 102) }
```

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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