

Converting Colors

XYZ(16.3771, 19.6191, 12.8281)

Have a look what the booklet for
XYZ(16.3771, 19.6191, 12.8281)
contains.

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Color

**XYZ(16.4176, 19.7044,
12.8356)**

Conversions

Conversions Part 1

Format	Color
Hex	71805B
RGB	113, 128, 91
RGB Percent	44%, 50%, 36%
CMY	0.5569, 0.4980, 0.6431
CMYK	0.12, 0.00, 0.29, 0.50
HSL	84°, 17%, 43%
HSV	84°, 29%, 50%
XYZ	16.4176, 19.7044, 12.8356
YIQ	119.2970, 2.9370, -14.6870

Conversions

Conversions Part 2

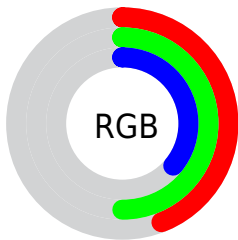
Format	Color
R_{YB}	91, 128, 106
Decimal	7438427
CIE _{Lab}	51.50, -12.50, 18.32
CIE _{LCh}	52, 22.173, 124.302
Yxy	19.7044, 0.3353, 0.4025
Android (android.graphics.Color)	4285628507 (0xFF71805B)
YUV	119.2970, -13.9504, -5.5225
Hunter-Lab	44.3896, -11.6633, 13.9286

Details

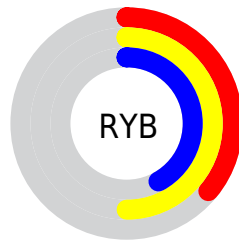
The XYZ color **16.4176, 19.7044, 12.8356** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **13.5820, 12.1054, 22.0439**, and the grayscale version is **17.6714, 18.5917, 20.2463**.

A 20% lighter version of the original color is **36.8486, 42.9702, 31.5512**, and **5.4496, 6.9052, 3.5282** is the 20% darker color. If you saturate the color by 10%, you get **15.2633, 19.1684, 10.1410**, and if you desaturate by 10%, it is **17.7053, 20.2995, 16.0290**.

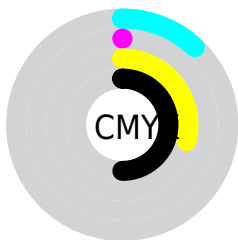
Distribution



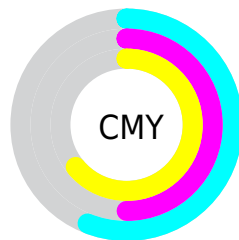
- Red (44%)
- Green (50%)
- Blue (36%)



- Red (36%)
- Yellow (50%)
- Blue (42%)



- Cyan (12%)
- Magenta (0%)
- Yellow (29%)
- Black (50%)



- Cyan (56%)
- Magenta (50%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.4176, 19.7044, 12.8356 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 16.4176, 19.7044, 12.8356 by changing the saturation by 10% instead.

■ 16.4176, 19.7044,
12.8356

■ 16.4176, 19.7044,
12.8356

225.0157,
250.3103, 221.0320

■ 9.9129, 12.1804,
7.1860

■ 36.8733, 42.9210,
31.6950

■ 5.4030, 6.8666,
3.4985

■ 51.5550, 59.3824,
45.7418

■ 2.5228, 3.3788,
1.3545

■ 69.6930, 79.5917,
63.4249

■ 0.9068, 1.3326,
0.1058

■ 91.6527, 103.9332,
85.1627

■ 0.0000, 0.1662,
0.0000

117.7995,
132.7915, 111.3738

■ 0.0000, 0.0000,
0.0000

148.4986,

166.5508, 142.4767

184.1156,
205.5957, 178.8899

■ 16.4176, 19.7044,
12.8356

■ 16.4176, 19.7044,
12.8356

■ 15.2633, 19.1684,
10.1410

■ 17.7053, 20.2995,
16.0290

■ 14.2355, 18.6867,
7.9187

■ 19.1300, 20.9532,
19.7433

■ 13.3288, 18.2577,
6.1418

■ 20.6970, 21.6684,
24.0010

■ 12.5369, 17.8787,
4.7799

■ 22.4107, 22.4469,
28.8226

■ 11.8527, 17.5470,
3.7991

■ 24.2754, 23.2905,
34.2277

■ 11.2678, 17.2590,
3.1601

■ 26.2952, 24.2009,
40.2351

■ 10.7614, 17.0064,
2.7556

■ 28.4742, 25.1797,
46.8625

■ 10.7083, 16.9799,
2.7131

■ 30.8160, 26.2286,
54.1271

■ 33.3243, 27.3490,
62.0452

Harmonies

Analogous

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



18.4091, 19.7044, 11.4028



16.4176, 19.7044, 12.8356



15.1291, 19.7044, 16.5646

Triad

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



16.4176, 19.7044, 12.8356



16.9325, 19.7044, 34.5099



23.3308, 19.7044, 20.5479

Complementary

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



16.4176, 19.7044, 12.8356



13.5820, 12.1054, 22.0439

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.



22.8577, 19.7044, 27.2234



16.4176, 19.7044, 12.8356



19.0515, 19.7044, 36.1528

Square

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



16.4176, 19.7044, 12.8356



15.4094, 19.7044, 29.1339



21.2465, 19.7044, 33.2624



22.4928, 19.7044, 15.2595

Rectangle

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



16.4176, 19.7044, 12.8356



14.7828, 19.7044, 20.2602



21.2465, 19.7044, 33.2624



23.3202, 19.7044, 22.6953

Sweetspot

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



16.4181, 19.7053, 12.8360



33.6008, 36.8534, 34.5494



15.9246, 15.6121, 12.0720



7.7902, 8.5933, 7.8856



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.



16.4181, 19.7053, 12.8360



27.4783, 34.0298, 19.2344



14.2963, 18.6115, 12.7367



4.5019, 4.9352, 4.6354



10.6191, 16.8367, 2.6901



0.0000, 0.0000, 0.0000

Inverse Universe

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



13.5820, 12.1054, 22.0439



21.5951, 18.2598, 38.3426



15.9937, 13.3487, 22.1567



4.2611, 4.2902, 5.4168



5.2640, 2.2674, 20.4102



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 16.4176, 19.7044, 12.8356 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 16.4176, 19.7044, 12.8356 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 16.4176, 19.7044, 12.8356

Background



This preview shows how black text looks on a background with the XYZ color 16.4176, 19.7044, 12.8356.



This preview shows how white text looks on a background with the XYZ color 16.4176, 19.7044,

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

16.4176, 19.7044, 12.8356

Protanopia

18.2784, 19.5459, 12.2605

Deuteranopia

19.9558, 19.6765, 13.1021



Tritanopia

18.8556, 19.7538, 24.6489

Trichromacy



Original Color

16.4176, 19.7044, 12.8356

Protanomaly

17.5106, 19.5135, 12.5164

Deuteranomaly

18.5642, 19.6783, 12.9451

Tritanomaly

17.8806, 19.7335, 19.6962

Monochromacy



Original Color

16.4176, 19.7044, 12.8356

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

17.0560, 18.8051, 17.1988

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.4176, 19.7044, 12.8356 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(113, 128, 91)` looks like.

```
.text, #text, p{  
    color:rgb(113, 128, 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(113, 128, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 128, 91) }
```

Border

The CSS property to change the border of an element to XYZ 16.4176, 19.7044, 12.8356 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(113, 128, 91) }
```


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

```
.border{ border-color:rgb(113, 128, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 128, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 128, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 128, 91);  
box-shadow:4px 4px 4px 4px rgb(113, 128,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 16.4176, 19.7044, 12.8356 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 128, 91) }
```

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

```
.background{ background-color: rgb(113,  
128, 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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