

Converting Colors

XYZ(16.7470, 19.8331, 16.7411)

Have a look what the booklet for
XYZ(16.7470, 19.8331, 16.7411)
contains.

XYZ(16.6797, 19.7511, 16.8431)	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(16.6797, 19.7511,
16.8431)**

Conversions

Conversions Part 1

Format	Color
Hex	6D806B
RGB	109, 128, 107
RGB Percent	43%, 50%, 42%
CMY	0.5725, 0.4980, 0.5804
CMYK	0.15, 0.00, 0.16, 0.50
HSL	114°, 9%, 46%
HSV	114°, 16%, 50%
XYZ	16.6797, 19.7511, 16.8431
YIQ	119.9250, -4.5830, -10.5590

Conversions

Conversions Part 2

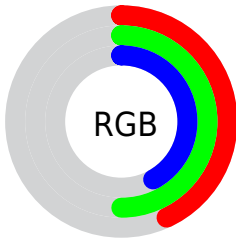
Format	Color
RYB	107, 128, 126
Decimal	7176299
CIELab	51.55, -11.25, 9.11
CIELCh	52, 14.478, 140.999
Yxy	19.7511, 0.3131, 0.3707
Android (android.graphics.Color)	4285366379 (0xFF6D806B)
YUV	119.9250, -6.3720, -9.5812
Hunter-Lab	44.4422, -10.7807, 8.6393

Details

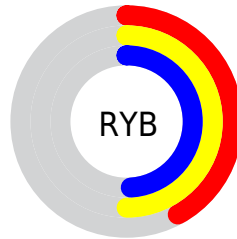
The XYZ color **16.6797, 19.7511, 16.8431** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **17.7589, 16.5100, 22.6739**, and the grayscale version is **17.8498, 18.7794, 20.4508**.

A 20% lighter version of the original color is **37.3934, 43.0934, 38.6948**, and **5.5361, 6.9103, 5.3170** is the 20% darker color. If you saturate the color by 10%, you get **14.7235, 18.8154, 13.4927**, and if you desaturate by 10%, it is **18.9244, 20.8252, 20.7284**.

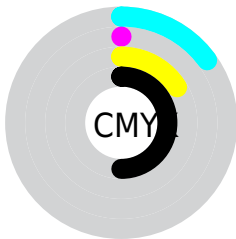
Distribution



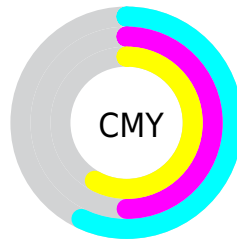
- Red (43%)
- Green (50%)
- Blue (42%)



- Red (42%)
- Yellow (50%)
- Blue (49%)



- Cyan (15%)
- Magenta (0%)
- Yellow (16%)
- Black (50%)



- Cyan (57%)
- Magenta (50%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.6797, 19.7511, 16.8431 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 16.6797, 19.7511, 16.8431 by changing the saturation by 10% instead.

■ 16.6797, 19.7511,
16.8431

■ 16.6797, 19.7511,
16.8431

226.5122,
250.5645, 246.2798

■ 10.1003, 12.2142,
9.9619

■ 37.3222, 42.9995,
38.8428

■ 5.5283, 6.8898,
5.2684

■ 52.1161, 59.4798,
54.7983

■ 2.5983, 3.3933,
2.3441

■ 70.3787, 79.7101,
74.6157

■ 0.9451, 1.3403,
0.7558

■ 92.4756, 104.0747,
98.7136

■ 0.0000, 0.1721,
0.0000

118.7720,
132.9581, 127.5104

■ 0.0000, 0.0000,
0.0000

149.6334,

166.7445, 161.4246

185.4249,
205.8185, 200.8750

■ 16.6797, 19.7511,
16.8431

■ 16.6797, 19.7511,
16.8431

■ 14.7235, 18.8154,
13.4927

■ 18.9244, 20.8252,
20.7284

■ 13.0427, 18.0100,
10.6524

■ 21.4670, 22.0403,
25.1690

■ 11.6252, 17.3299,
8.2976

■ 24.3185, 23.4022,
30.1862

■ 10.4577, 16.7688,
6.4013

■ 27.4888, 24.9156,
35.7994

■ 9.5256, 16.3198,
4.9334

■ 30.9873, 26.5849,
42.0275

■ 8.8127, 15.9753,
3.8607

■ 34.8231, 28.4145,
48.8882

■ 8.3009, 15.7268,
3.1449

■ 39.0050, 30.4084,
56.3988

■ 7.9645, 15.5625,
2.7161

■ 43.5412, 32.5706,
64.5756

■ 7.8738, 15.5187,
2.5804

■ 48.4400, 34.9050,
73.4347

Harmonies

Analogous

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



17.7872, 19.7511, 14.8538



16.6797, 19.7511, 16.8431



16.1407, 19.7511, 20.2751

Triad

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



16.6797, 19.7511, 16.8431



18.3381, 19.7511, 30.4386



21.5103, 19.7511, 18.7579

Complementary

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



16.6797, 19.7511, 16.8431



17.7589, 16.5100, 22.6739

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.



21.6766, 19.7511, 22.7849



16.6797, 19.7511, 16.8431



19.7943, 19.7511, 29.8950

Square

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



16.6797, 19.7511, 16.8431



17.0651, 19.7511, 28.3593



21.0341, 19.7511, 26.9577



20.5908, 19.7511, 15.8560

Rectangle

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



16.6797, 19.7511, 16.8431



16.1560, 19.7511, 23.0722



21.0341, 19.7511, 26.9577



21.6579, 19.7511, 20.0115

Sweetspot

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



16.6802, 19.7519, 16.8435



33.8663, 36.9264, 37.4483



19.0049, 20.5478, 16.8746



7.8700, 8.6173, 8.6649



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.



16.6802, 19.7519, 16.8435



27.9107, 34.0779, 27.1523



16.9008, 19.8121, 19.2745



4.3111, 4.8368, 4.6265



7.8077, 15.3874, 2.5586



0.0000, 0.0000, 0.0000

Inverse Universe

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



17.7589, 16.5100, 22.6739



30.2140, 27.1534, 39.6050



17.5264, 16.4514, 19.8947



4.4591, 4.3923, 5.4260



10.9809, 5.2146, 20.6777



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 16.6797, 19.7511, 16.8431 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 16.6797, 19.7511, 16.8431 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

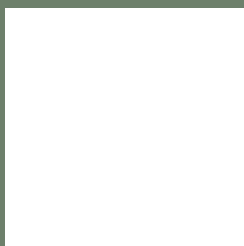
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.6797, 19.7511, 16.8431

Background



This preview shows how black text looks on a background with the XYZ color 16.6797, 19.7511, 16.8431.



This preview shows how white text looks on a background with the XYZ color 16.6797, 19.7511,

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

16.6797, 19.7511, 16.8431

Protanopia

18.5115, 19.5857, 15.9015

Deuteranopia

19.8862, 19.5500, 17.1934



Tritanopia

18.3208, 19.6472, 25.3809

Trichromacy



Original Color

16.6797, 19.7511, 16.8431

Protanomaly

17.7835, 19.5728, 16.2052

Deuteranomaly

18.5684, 19.5910, 16.9901

Tritanomaly

17.6538, 19.5672, 21.9152

Monochromacy



Original Color

16.6797, 19.7511, 16.8431

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

17.3799, 19.1167, 18.9935

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.6797, 19.7511, 16.8431 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(109, 128, 107)` looks like.

```
.text, #text, p{  
    color:rgb(109, 128, 107)  
}
```

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(109, 128, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 128, 107) }
```

Border

The CSS property to change the border of an element to XYZ 16.6797, 19.7511, 16.8431 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(109, 128, 107) }
```


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

```
.border{ border-color:rgb(109, 128, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 128, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 128, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 128, 107);  
box-shadow:4px 4px 4px 4px rgb(109, 128,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 16.6797, 19.7511, 16.8431 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 128, 107) }
```

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

```
.background{ background-color: rgb(109,  
128, 107) }
```

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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