

Converting Colors

XYZ(16.9946, 19.5267, 20.3178)

Have a look what the booklet for
XYZ(16.9946, 19.5267, 20.3178)
contains.

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Color

**XYZ(16.9750, 19.4418,
20.3107)**

Conversions

Conversions Part 1

Format	Color
Hex	6C7E77
RGB	108, 126, 119
RGB Percent	42%, 49%, 47%
CMY	0.5765, 0.5059, 0.5333
CMYK	0.14, 0.00, 0.06, 0.51
HSL	157°, 8%, 46%
HSV	157°, 14%, 49%
XYZ	16.9750, 19.4418, 20.3107
YIQ	119.8200, -8.4810, -5.9930

Conversions

Conversions Part 2

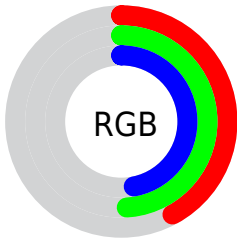
Format	Color
R _Y B	108, 119, 126
Decimal	7110263
CIE Lab	51.20, -8.08, 1.59
CIE LCh	51, 8.235, 168.888
Yxy	19.4418, 0.2992, 0.3427
Android (android.graphics.Color)	4285300343 (0xFF6C7E77)
YUV	119.8200, -0.4043, -10.3661
Hunter-Lab	44.0929, -8.4430, 3.5540

Details

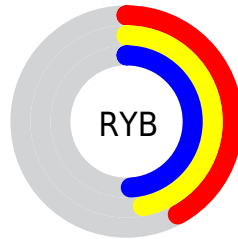
The XYZ color **16.9750, 19.4418, 20.3107** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **17.0620, 16.3991, 18.4867**, and the grayscale version is **17.7988, 18.7257, 20.3923**.

A 20% lighter version of the original color is **37.9680, 42.6541, 44.7600**, and **5.6547, 6.7233, 6.9609** is the 20% darker color. If you saturate the color by 10%, you get **15.2653, 18.5941, 18.7338**, and if you desaturate by 10%, it is **18.9225, 20.4114, 21.9788**.

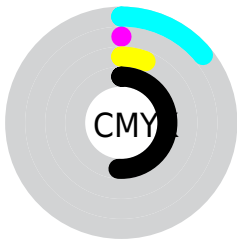
Distribution



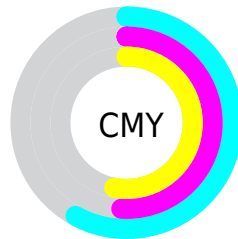
- Red (42%)
- Green (49%)
- Blue (47%)



- Red (42%)
- Yellow (47%)
- Blue (49%)



- Cyan (14%)
- Magenta (0%)
- Yellow (6%)
- Black (51%)



- Cyan (58%)
- Magenta (51%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.9750, 19.4418, 20.3107 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 16.9750, 19.4418, 20.3107 by changing the saturation by 10% instead.

■ 16.9750, 19.4418,
20.3107

■ 16.9750, 19.4418,
20.3107

228.1873,
248.8770, 266.2518

■ 10.3119, 11.9899,
12.4348

■ 37.8267, 42.4793,
44.8033

■ 5.6701, 6.7368,
6.9144

■ 52.7460, 58.8338,
62.2570

■ 2.6843, 3.2981,
3.3310

■ 71.1481, 78.9245,
83.7405

■ 0.9891, 1.2893,
1.2660

■ 93.3983, 103.1360,
109.6721

■ 0.0000, 0.1329,
0.0337

119.8619,
131.8526, 140.4705

■ 0.0000, 0.0000,
0.0000

150.9044,

165.4587, 176.5543

186.8911,
204.3387, 218.3419

■ 16.9750, 19.4418,
20.3107

■ 16.9750, 19.4418,
20.3107

■ 15.2653, 18.5941,
18.7338

■ 18.9225, 20.4114,
21.9788

■ 13.7820, 17.8608,
17.2452

■ 21.1154, 21.5052,
23.7383

■ 12.5153, 17.2376,
15.8436

■ 23.5626, 22.7283,
25.5913

■ 11.4541, 16.7185,
14.5273

■ 26.2725, 24.0850,
27.5393

■ 10.5861, 16.2974,
13.2944

■ 29.2528, 25.5792,
29.5837

■ 9.8976, 15.9673,
12.1429

■ 32.5110, 27.2149,
31.7258

■ 9.3732, 15.7201,
11.0708

■ 36.0544, 28.9956,
33.9672

■ 8.9916, 15.5450,
10.0758

■ 39.8898, 30.9250,
36.3091

■ 8.8005, 15.4582,
9.5396

■ 44.0239, 33.0064,
38.7529

Harmonies

Analogous

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



17.3166, 19.4418, 18.3373



16.9750, 19.4418, 20.3107



17.0273, 19.4418, 22.6639

Triad

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



16.9750, 19.4418, 20.3107



18.9938, 19.4418, 25.7334



19.5347, 19.4418, 17.9468

Complementary

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



16.9750, 19.4418, 20.3107



17.0620, 16.3991, 18.4867

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.



20.0106, 19.4418, 19.7409



16.9750, 19.4418, 20.3107



19.6920, 19.4418, 24.2778

Square

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



16.9750, 19.4418, 20.3107



18.1767, 19.4418, 25.9143



20.0690, 19.4418, 22.0508



18.7843, 19.4418, 17.0412

Rectangle

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



16.9750, 19.4418, 20.3107



17.2790, 19.4418, 24.1310



20.0690, 19.4418, 22.0508



19.7330, 19.4418, 18.4595

Sweetspot

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



16.9755, 19.4426, 20.3111



33.3766, 35.9619, 38.7438



17.2649, 19.6637, 17.0732



7.5384, 8.1533, 8.7684



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



16.9755, 19.4426, 20.3111



28.8990, 33.7347, 34.8698



17.1837, 19.1608, 22.5324



4.3777, 4.8594, 5.1604



9.0259, 15.8569, 9.7752



0.0000, 0.0000, 0.0000

Inverse Universe

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



17.0620, 16.3991, 18.4867



29.0806, 27.3462, 31.0408



16.8660, 16.6276, 16.5082



4.3916, 4.3698, 4.8668



9.3940, 4.7773, 3.3988



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 16.9750, 19.4418, 20.3107 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 16.9750, 19.4418, 20.3107 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

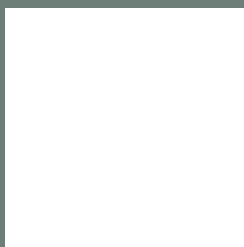
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.9750, 19.4418, 20.3107

Background



This preview shows how black text looks on a background with the XYZ color 16.9750, 19.4418, 20.3107.

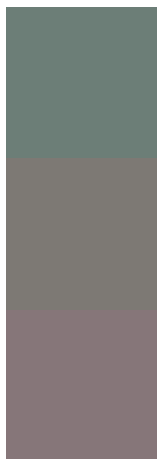


This preview shows how white text looks on a background with the XYZ color 16.9750, 19.4418,

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

16.9750, 19.4418, 20.3107

Protanopia

18.4472, 19.2957, 19.2752

Deuteranopia

19.7611, 19.4057, 20.7933



Tritanopia

18.0663, 19.5160, 25.3690

Trichromacy



Original Color

16.9750, 19.4418, 20.3107

Protanomaly

17.9016, 19.3722, 19.6253

Deuteranomaly

18.6850, 19.3908, 20.5273

Tritanomaly

17.7265, 19.5672, 23.6114

Monochromacy



Original Color

16.9750, 19.4418, 20.3107

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

17.5522, 18.9881, 20.5093

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.9750, 19.4418, 20.3107 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(108, 126, 119)` looks like.

```
.text, #text, p{  
    color:rgb(108, 126, 119)  
}
```

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(108, 126, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 126, 119) }
```

Border

The CSS property to change the border of an element to XYZ 16.9750, 19.4418, 20.3107 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(108, 126, 119) }
```


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

```
.border{ border-color:rgb(108, 126, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 126, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 126, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 126, 119);  
box-shadow:4px 4px 4px 4px rgb(108, 126,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 16.9750, 19.4418, 20.3107 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 126, 119) }
```

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

```
.background{ background-color: rgb(108,  
126, 119) }
```

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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