

Converting Colors

XYZ(16.4671, 19.0809, 20.8830)

Have a look what the booklet for
XYZ(16.4671, 19.0809, 20.8830)
contains.

XYZ(16.5056, 19.1857, 20.9224)	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(16.5056, 19.1857,
20.9224)**

Conversions

Conversions Part 1

Format	Color
Hex	677E79
RGB	103, 126, 121
RGB Percent	40%, 49%, 47%
CMY	0.5961, 0.5059, 0.5255
CMYK	0.18, 0.00, 0.04, 0.51
HSL	167°, 10%, 45%
HSV	167°, 18%, 49%
XYZ	16.5056, 19.1857, 20.9224
YIQ	118.5530, -12.1030, -6.4310

Conversions

Conversions Part 2

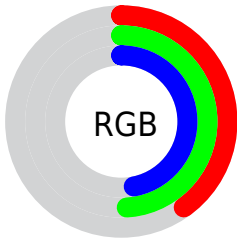
Format	Color
R_{YB}	103, 116, 126
Decimal	6782585
CIE _{Lab}	50.90, -9.42, -0.06
CIE _{LCh}	51, 9.423, 180.363
Yxy	19.1857, 0.2915, 0.3389
Android (android.graphics.Color)	4284972665 (0xFF677E79)
YUV	118.5530, 1.2064, -13.6400
Hunter-Lab	43.8015, -9.3889, 2.3403

Details

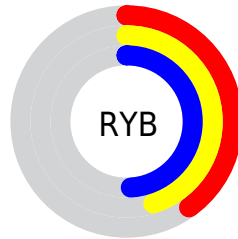
The XYZ color **16.5056, 19.1857, 20.9224** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **16.1619, 15.2195, 16.2742**, and the grayscale version is **17.3930, 18.2988, 19.9274**.

A 20% lighter version of the original color is **36.9894, 42.1274, 45.7170**, and **5.4320, 6.6010, 7.2912** is the 20% darker color. If you saturate the color by 10%, you get **15.0023, 18.4304, 19.9876**, and if you desaturate by 10%, it is **18.2326, 20.0568, 21.8934**.

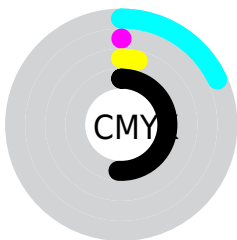
Distribution



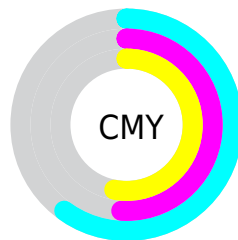
- Red (40%)
- Green (49%)
- Blue (47%)



- Red (40%)
- Yellow (45%)
- Blue (49%)



- Cyan (18%)
- Magenta (0%)
- Yellow (4%)
- Black (51%)



- Cyan (60%)
- Magenta (51%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.5056, 19.1857, 20.9224 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 16.5056, 19.1857, 20.9224 by changing the saturation by 10% instead.

■ 16.5056, 19.1857,
20.9224

■ 16.5056, 19.1857,
20.9224

225.5192,
247.4720, 269.6333

■ 9.9757, 11.8045,
12.8766

■ 37.0242, 42.0477,
45.8375

■ 5.4450, 6.6107,
7.2139

■ 51.7436, 58.2972,
63.5438

■ 2.5481, 3.2199,
3.5158

■ 69.9235, 78.2717,
85.3074

■ 0.9196, 1.2476,
1.3636

■ 91.9294, 102.3556,
111.5468

■ 0.0000, 0.1001,
0.1131

118.1265,
130.9331, 142.6806

■ 0.0000, 0.0000,
0.0000

148.8803,

164.3888, 179.1272

184.5561,
203.1070, 221.3053

■ 16.5056, 19.1857,
20.9224

■ 16.5056, 19.1857,
20.9224

■ 15.0023, 18.4304,
19.9876

■ 18.2326, 20.0568,
21.8934

■ 13.7114, 17.7835,
19.0871

■ 20.1907, 21.0460,
22.8998

■ 12.6228, 17.2403,
18.2206

■ 22.3893, 22.1586,
23.9429

■ 11.7252, 16.7951,
17.3873

■ 24.8364, 23.3988,
25.0231

■ 11.0060, 16.4413,
16.5865

■ 27.5398, 24.7705,
26.1410

■ 10.4511, 16.1717,
15.8172

■ 30.5071, 26.2777,
27.2972

■ 10.0443, 15.9780,
15.0785

■ 33.7452, 27.9239,
28.4921

■ 9.7447, 15.8389,
14.3683

■ 37.2612, 29.7128,
29.7264

■ 9.6943, 15.8156,
14.2468

■ 41.0616, 31.6477,
31.0003

Harmonies

Analogous

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



16.7254, 19.1857, 18.4591



16.5056, 19.1857, 20.9224



16.7361, 19.1857, 23.5862

Triad

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



16.5056, 19.1857, 20.9224



19.1540, 19.1857, 25.6261



19.1338, 19.1857, 16.7486

Complementary

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



16.5056, 19.1857, 20.9224



16.1619, 15.2195, 16.2742

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.



19.8218, 19.1857, 18.4075



16.5056, 19.1857, 20.9224



19.8338, 19.1857, 23.5253

Square

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



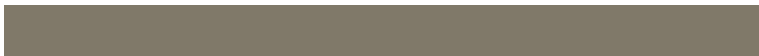
16.5056, 19.1857, 20.9224



18.2468, 19.1857, 26.4392



20.0821, 19.1857, 20.8576



18.2241, 19.1857, 16.1772

Rectangle

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



16.5056, 19.1857, 20.9224



17.1187, 19.1857, 25.0859



20.0821, 19.1857, 20.8576



19.3998, 19.1857, 17.1901

Sweetspot

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



16.5061, 19.1865, 20.9228



33.1286, 35.8262, 39.0844



16.1387, 19.1129, 15.6710



7.4918, 8.1271, 8.8674



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.



16.5061, 19.1865, 20.9228



27.8787, 33.1800, 36.1185



16.0605, 17.7915, 22.3271



4.4077, 4.8714, 5.3179



9.9435, 16.2240, 14.6069



0.0000, 0.0000, 0.0000

Inverse Universe

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



16.1619, 15.2195, 16.2742



27.1534, 24.8152, 26.3186



16.5359, 16.3813, 15.1229



4.3631, 4.3584, 4.7166



9.0334, 4.6330, 1.4996



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 16.5056, 19.1857, 20.9224 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 16.5056, 19.1857, 20.9224 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 16.5056, 19.1857, 20.9224

Background



This preview shows how black text looks on a background with the XYZ color 16.5056, 19.1857, 20.9224.



This preview shows how white text looks on a background with the XYZ color 16.5056, 19.1857,

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

16.5056, 19.1857, 20.9224

Protanopia

18.2987, 19.0260, 19.8475

Deuteranopia

19.4522, 19.0582, 21.3922



Tritanopia

17.3364, 19.1398, 25.3349

Trichromacy



Original Color

16.5056, 19.1857, 20.9224

Protanomaly

17.4918, 18.9640, 20.1913

Deuteranomaly

18.1145, 18.9030, 21.1063

Tritanomaly

17.0050, 19.1953, 23.5777

Monochromacy



Original Color

16.5056, 19.1857, 20.9224

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

17.1598, 18.7858, 20.4909

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.5056, 19.1857, 20.9224 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(103, 126, 121)` looks like.

```
.text, #text, p{  
    color:rgb(103, 126, 121)  
}
```

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(103, 126, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 126, 121) }
```

Border

The CSS property to change the border of an element to XYZ 16.5056, 19.1857, 20.9224 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(103, 126, 121) }
```


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

```
.border{ border-color:rgb(103, 126, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 126, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 126, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 126, 121);  
box-shadow:4px 4px 4px 4px rgb(103, 126,  
121) }
```

Background

The CSS property to change the background color of an element to XYZ 16.5056, 19.1857, 20.9224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 126, 121) }
```

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

```
.background{ background-color: rgb(103,  
126, 121) }
```

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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