

Converting Colors

XYZ(16.9045, 19.0226, 20.5501)

Have a look what the booklet for
XYZ(16.9045, 19.0226, 20.5501)
contains.

XYZ(16.9045, 19.0226, 20.5501)	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(16.9045, 19.0226,
20.5501)**

Conversions

Conversions Part 1

Format	Color
Hex	6D7C78
RGB	109, 124, 120
RGB Percent	43%, 49%, 47%
CMY	0.5725, 0.5137, 0.5294
CMYK	0.12, 0.00, 0.03, 0.51
HSL	164°, 6%, 46%
HSV	164°, 12%, 49%
XYZ	16.9045, 19.0226, 20.5501
YIQ	119.0590, -7.6560, -4.4240

Conversions

Conversions Part 2

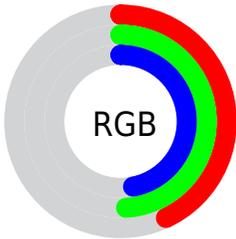
Format	Color
R_{YB}	109, 118, 124
Decimal	7175288
CIE Lab	50.71, -6.37, 0.30
CIE LCh	51, 6.381, 177.295
Yxy	19.0226, 0.2993, 0.3368
Android (android.graphics.Color)	4285365368 (0xFF6D7C78)
YUV	119.0590, 0.4639, -8.8217
Hunter-Lab	43.6149, -7.1421, 2.5947

Details

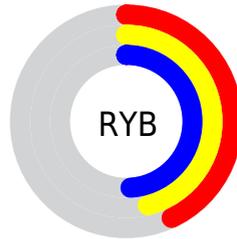
The XYZ color **16.9045, 19.0226, 20.5501** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **16.7621, 16.4151, 17.9086**, and the grayscale version is **17.5540, 18.4682, 20.1119**.

A 20% lighter version of the original color is **37.8665, 41.9999, 45.1407**, and **5.6102, 6.4921, 7.0883** is the 20% darker color. If you saturate the color by 10%, you get **15.2882, 18.2127, 19.4448**, and if you desaturate by 10%, it is **18.7441, 19.9478, 21.7028**.

Distribution



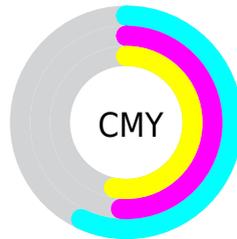
- Red (43%)
- Green (49%)
- Blue (47%)



- Red (43%)
- Yellow (46%)
- Blue (49%)



- Cyan (12%)
- Magenta (0%)
- Yellow (3%)
- Black (51%)



- Cyan (57%)
- Magenta (51%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.9045, 19.0226, 20.5501 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 16.9045, 19.0226, 20.5501 by changing the saturation by 10% instead.

■ 16.9045, 19.0226,
20.5501

■ 16.9045, 19.0226,
20.5501

227.7884,
246.5735, 267.5798

■ 10.2613, 11.6866,
12.6075

■ 37.7064, 41.7723,
45.2086

■ 5.6361, 6.5307,
7.0313

■ 52.5958, 57.9548,
62.7616

■ 2.6637, 3.1704,
3.4029

■ 70.9647, 77.8549,
84.3551

■ 0.9785, 1.2213,
1.3039

■ 93.1784, 101.8570,
110.4077

■ 0.0000, 0.0790,
0.0650

119.6023,
130.3455, 141.3380

■ 0.0000, 0.0000,
0.0000

150.6017,

163.7048, 177.5644

186.5419,
202.3194, 219.5055

■ 16.9045, 19.0226,
20.5501

■ 16.9045, 19.0226,
20.5501

■ 15.2882, 18.2127,
19.4448

■ 18.7441, 19.9478,
21.7028

■ 13.8845, 17.5111,
18.3849

■ 20.8138, 20.9904,
22.9025

■ 12.6843, 16.9136,
17.3701

■ 23.1222, 22.1552,
24.1503

■ 11.6772, 16.4148,
16.3994

■ 25.6770, 23.4462,
25.4469

■ 10.8517, 16.0089,
15.4719

■ 28.4856, 24.8672,
26.7929

■ 10.1953, 15.6895,
14.5867

■ 31.5548, 26.4218,
28.1891

■ 9.6938, 15.4491,
13.7427

■ 34.8915, 28.1133,
29.6361

■ 9.3304, 15.2792,
12.9387

■ 38.5021, 29.9452,
31.1345

■ 9.0931, 15.1701,
12.3292

■ 42.3929, 31.9207,
32.6849

Harmonies

Analogous

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



17.0863, 19.0226, 18.9050



16.9045, 19.0226, 20.5501



17.0317, 19.0226, 22.3338

Triad

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



16.9045, 19.0226, 20.5501



18.6380, 19.0226, 23.9294



18.7386, 19.0226, 17.9449

Complementary

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



16.9045, 19.0226, 20.5501



16.7621, 16.4151, 17.9086

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.



19.1713, 19.0226, 19.1714



16.9045, 19.0226, 20.5501



19.1123, 19.0226, 22.6314

Square

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



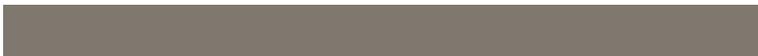
16.9045, 19.0226, 20.5501



18.0237, 19.0226, 24.3502



19.3096, 19.0226, 20.8755



18.1373, 19.0226, 17.4562

Rectangle

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



16.9045, 19.0226, 20.5501



17.2763, 19.0226, 23.3503



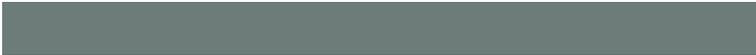
19.3096, 19.0226, 20.8755



18.9091, 19.0226, 18.2810

Sweetspot

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



16.9050, 19.0234, 20.5505



32.3053, 34.7606, 37.7785



16.8108, 19.0476, 17.2588



7.5569, 8.1607, 8.8658



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.



16.9050, 19.0234, 20.5505



28.7783, 32.9887, 35.5195



16.7524, 18.3212, 21.7232



4.0636, 4.4951, 4.8687



9.2424, 15.4206, 12.5274



43.7202, 73.4111, 57.8236

Inverse Universe

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



16.7621, 16.4151, 17.9086



28.4661, 27.2877, 29.7457



16.8949, 17.0333, 16.8656



4.0382, 4.0310, 4.3986



8.7293, 4.4679, 1.8656



41.3315, 21.1889, 7.2758

Previews

White Background



This preview shows how the XYZ color 16.9045, 19.0226, 20.5501 looks on a white background.

Color Contrast Check

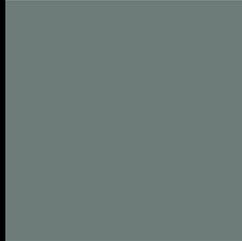
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.9045, 19.0226, 20.5501 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

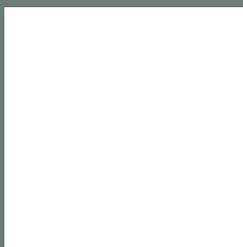
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.9045, 19.0226, 20.5501

Background



This preview shows how black text looks on a background with the XYZ color 16.9045, 19.0226, 20.5501.

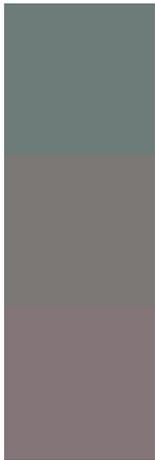


This preview shows how white text looks on a background with the XYZ color 16.9045, 19.0226,

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

16.9045, 19.0226, 20.5501

Protanopia

18.1549, 18.9519, 19.8408

Deuteranopia

19.3282, 19.0086, 20.7395



Tritanopia

17.6799, 18.9645, 24.5585

Trichromacy



Original Color

16.9045, 19.0226, 20.5501

Protanomaly

17.6384, 18.8582, 20.1631

Deuteranomaly

18.4798, 19.0985, 20.8015

Tritanomaly

17.4096, 19.0394, 23.1795

Monochromacy



Original Color

16.9045, 19.0226, 20.5501

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

17.2374, 18.6515, 20.1444

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.9045, 19.0226, 20.5501 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, 124, 120)` looks like.

```
.text, #text, p{  
    color:rgb(109, 124, 120)  
}
```

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, 124, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 124, 120) }
```

Border

The CSS property to change the border of an element to XYZ 16.9045, 19.0226, 20.5501 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, 124, 120) }
```


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

```
.border{ border-color:rgb(109, 124, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 124, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 124, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 124, 120);  
box-shadow:4px 4px 4px 4px rgb(109, 124,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 16.9045, 19.0226, 20.5501 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 124, 120) }
```

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

```
.background{ background-color: rgb(109,  
124, 120) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor