

Converting Colors

XYZ(16.4629, 19.7315, 20.8255)

Have a look what the booklet for
XYZ(16.4629, 19.7315, 20.8255)
contains.

XYZ(16.4960, 19.7659, 20.7151)	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(16.4960, 19.7659,
20.7151)**

Conversions

Conversions Part 1

Format	Color
Hex	648178
RGB	100, 129, 120
RGB Percent	39%, 51%, 47%
CMY	0.6078, 0.4941, 0.5294
CMYK	0.22, 0.00, 0.07, 0.49
HSL	161°, 13%, 45%
HSV	161°, 22%, 51%
XYZ	16.4960, 19.7659, 20.7151
YIQ	119.3030, -14.3950, -8.9470

Conversions

Conversions Part 2

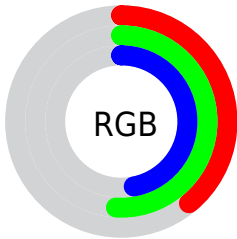
Format	Color
R_{YB}	100, 117, 129
Decimal	6586744
CIE Lab	51.57, -12.36, 1.47
CIE LCh	52, 12.443, 173.197
Yxy	19.7659, 0.2895, 0.3469
Android (android.graphics.Color)	4284776824 (0xFF648178)
YUV	119.3030, 0.3436, -16.9287
Hunter-Lab	44.4589, -11.5724, 3.4957

Details

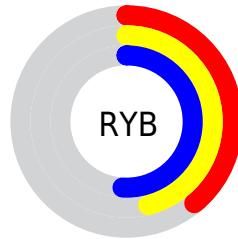
The XYZ color **16.4960, 19.7659, 20.7151** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **16.3715, 14.8862, 16.4794**, and the grayscale version is **17.6333, 18.5516, 20.2027**.

A 20% lighter version of the original color is **36.9368, 43.0138, 45.3854**, and **5.4545, 6.9353, 7.1820** is the 20% darker color. If you saturate the color by 10%, you get **14.9428, 18.9932, 19.4006**, and if you desaturate by 10%, it is **18.2865, 20.6608, 22.0946**.

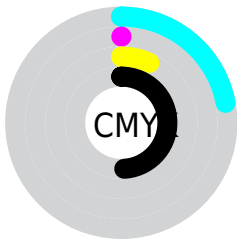
Distribution



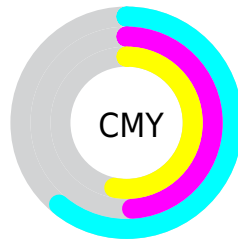
- Red (39%)
- Green (51%)
- Blue (47%)



- Red (39%)
- Yellow (46%)
- Blue (51%)



- Cyan (22%)
- Magenta (0%)
- Yellow (7%)
- Black (49%)



- Cyan (61%)
- Magenta (49%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.4960, 19.7659, 20.7151 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 16.4960, 19.7659, 20.7151 by changing the saturation by 10% instead.

■ 16.4960, 19.7659,
20.7151

■ 16.4960, 19.7659,
20.7151

225.4643,
250.6450, 268.4916

■ 9.9689, 12.2250,
12.7267

■ 37.0077, 43.0243,
45.4875

■ 5.4404, 6.8971,
7.1121

■ 51.7230, 59.5107,
63.1086

■ 2.5453, 3.3978,
3.4528

■ 69.8984, 79.7476,
84.7777

■ 0.9182, 1.3428,
1.3302

■ 91.8992, 104.1195,
110.9133

■ 0.0000, 0.1740,
0.0864

118.0909,
133.0108, 141.9339

■ 0.0000, 0.0000,
0.0000

148.8387,

166.8059, 178.2582

184.5081,
205.8891, 220.3046

■ 16.4960, 19.7659,
20.7151

■ 16.4960, 19.7659,
20.7151

■ 14.9428, 18.9932,
19.4006

■ 18.2865, 20.6608,
22.0946

■ 13.6144, 18.3347,
18.1486

■ 20.3226, 21.6806,
23.5389

■ 12.4998, 17.7853,
16.9583

■ 22.6142, 22.8309,
25.0495

■ 11.5864, 17.3385,
15.8286

■ 25.1704, 24.1164,
26.6274

■ 10.8602, 16.9871,
14.7581

■ 27.9997, 25.5414,
28.2735

■ 10.3051, 16.7228,
13.7454

■ 31.1101, 27.1101,
29.9889

■ 9.9026, 16.5360,
12.7888

■ 34.5094, 28.8265,
31.7745

■ 9.6522, 16.4218,
12.1038

■ 38.2050, 30.6945,
33.6313

■ 42.2042, 32.7176,
35.5600

Harmonies

Analogous

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



16.9241, 19.7659, 17.6493



16.4960, 19.7659, 20.7151



16.6595, 19.7659, 24.3538

Triad

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



16.4960, 19.7659, 20.7151



19.7514, 19.7659, 28.5027



20.2666, 19.7659, 16.4589

Complementary

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



16.4960, 19.7659, 20.7151



16.3715, 14.8862, 16.4794

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.



21.0881, 19.7659, 18.9182



16.4960, 19.7659, 20.7151



20.7815, 19.7659, 25.9228

Square

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



16.4960, 19.7659, 20.7151



18.5031, 19.7659, 29.1209



21.2806, 19.7659, 22.3490



19.0736, 19.7659, 15.3749

Rectangle

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



16.4960, 19.7659, 20.7151



17.0857, 19.7659, 26.5955



21.2806, 19.7659, 22.3490



20.5975, 19.7659, 17.1381

Sweetspot

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



16.4966, 19.7667, 20.7155



34.6281, 37.9396, 40.9253



16.4804, 19.8843, 15.0265



7.8017, 8.5693, 9.2376



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.



16.4966, 19.7667, 20.7155



28.0554, 34.6563, 35.8680



16.3867, 18.6311, 23.5023



4.3914, 4.8649, 5.2322



9.4125, 16.0116, 11.8108



0.0000, 0.0000, 0.0000

Inverse Universe

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



16.3715, 14.8862, 16.4794



27.7906, 24.2938, 26.8776



16.4381, 15.7556, 14.2318



4.3785, 4.3645, 4.7976



9.2029, 4.7008, 2.3921



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 16.4960, 19.7659, 20.7151 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 16.4960, 19.7659, 20.7151 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 16.4960, 19.7659, 20.7151

Background



This preview shows how black text looks on a background with the XYZ color 16.4960, 19.7659, 20.7151.



This preview shows how white text looks on a background with the XYZ color 16.4960, 19.7659,

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

16.4960, 19.7659, 20.7151

Protanopia

18.7161, 19.6156, 19.3227

Deuteranopia

19.9412, 19.6671, 21.1575



Tritanopia

17.6982, 19.8685, 26.5691

Trichromacy



Original Color

16.4960, 19.7659, 20.7151

Protanomaly

17.8806, 19.7335, 19.6962

Deuteranomaly

18.5602, 19.6840, 20.9103

Tritanomaly

17.2954, 19.9018, 24.4026

Monochromacy



Original Color

16.4960, 19.7659, 20.7151

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

17.0948, 18.9426, 20.2081

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.4960, 19.7659, 20.7151 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(100, 129, 120)` looks like.

```
.text, #text, p{  
    color:rgb(100, 129, 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(100, 129, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 129, 120) }
```

Border

The CSS property to change the border of an element to XYZ 16.4960, 19.7659, 20.7151 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(100, 129, 120) }
```


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

```
.border{ border-color:rgb(100, 129, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 129, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(100, 129, 120); -webkit-box-shadow:4px 4px 4px 4px rgb(100, 129, 120); box-shadow:4px 4px 4px 4px rgb(100, 129, 120) }
```

Background

The CSS property to change the background color of an element to XYZ 16.4960, 19.7659, 20.7151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 129, 120) }
```

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

```
.background{ background-color: rgb(100,  
129, 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