

Converting Colors

XYZ(16.9886, 19.6750, 23.1078)

Have a look what the booklet for
XYZ(16.9886, 19.6750, 23.1078)
contains.

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Color

**XYZ(17.0294, 19.7954,
23.0020)**

Conversions

Conversions Part 1

Format	Color
Hex	66807F
RGB	102, 128, 127
RGB Percent	40%, 50%, 50%
CMY	0.6000, 0.4980, 0.5020
CMYK	0.20, 0.00, 0.01, 0.50
HSL	178°, 11%, 45%
HSV	178°, 20%, 50%
XYZ	17.0294, 19.7954, 23.0020
YIQ	120.1120, -15.1750, -5.8230

Conversions

Conversions Part 2

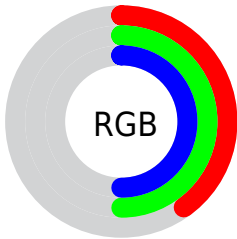
Format	Color
R_{YB}	102, 115, 128
Decimal	6717567
CIE _{Lab}	51.61, -9.53, -2.55
CIE _{LCh}	52, 9.862, 195.009
Yxy	19.7954, 0.2846, 0.3309
Android (android.graphics.Color)	4284907647 (0xFF66807F)
YUV	120.1120, 3.3958, -15.8842
Hunter-Lab	44.4920, -9.5398, 0.4920

Details

The XYZ color **17.0294, 19.7954, 23.0020** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **16.1023, 15.0717, 14.8932**, and the grayscale version is **17.8818, 18.8130, 20.4874**.

A 20% lighter version of the original color is **37.8990, 43.1153, 49.5046**, and **5.6924, 6.9263, 8.2446** is the 20% darker color. If you saturate the color by 10%, you get **15.6574, 19.0923, 22.7708**, and if you desaturate by 10%, it is **18.6267, 20.6156, 23.2454**.

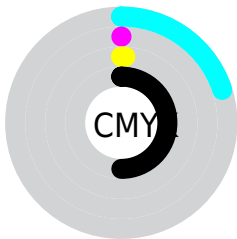
Distribution



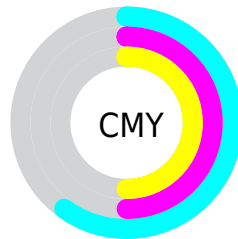
- Red (40%)
- Green (50%)
- Blue (50%)



- Red (40%)
- Yellow (45%)
- Blue (50%)



- Cyan (20%)
- Magenta (0%)
- Yellow (1%)
- Black (50%)



- Cyan (60%)
- Magenta (50%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.0294, 19.7954, 23.0020 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 17.0294, 19.7954, 23.0020 by changing the saturation by 10% instead.

■ 17.0294, 19.7954,
23.0020

■ 17.0294, 19.7954,
23.0020

228.4947,
250.8053, 280.8575

■ 10.3509, 12.2464,
14.3897

■ 37.9195, 43.0739,
49.3198

■ 5.6963, 6.9117,
8.2503

■ 52.8618, 59.5722,
67.8624

■ 2.7002, 3.4070,
4.1655

■ 71.2894, 79.8224,
90.5522

■ 0.9973, 1.3477,
1.7166

■ 93.5677, 104.2088,
117.8077

■ 0.0000, 0.1777,
0.3720

120.0621,
133.1159, 150.0474

■ 0.0000, 0.0000,
0.0000

151.1377,

166.9281, 187.6899

187.1602,
206.0298, 231.1538

■ 17.0294, 19.7954,
23.0020

■ 17.0294, 19.7954,
23.0020

■ 15.6574, 19.0923,
22.7708

■ 18.6267, 20.6156,
23.2454

■ 14.4988, 18.4987,
22.5500

■ 20.4573, 21.5556,
23.5001

■ 13.5431, 18.0097,
22.3396

■ 22.5306, 22.6207,
23.7670

■ 12.7782, 17.6190,
22.1388

■ 24.8553, 23.8153,
24.0464

■ 12.1909, 17.3199,
21.9472

■ 27.4395, 25.1437,
24.3389

■ 11.7661, 17.1045,
21.7641

■ 30.2910, 26.6099,
24.6447

■ 11.4864, 16.9639,
21.5885

■ 33.4171, 28.2177,
24.9641

■ 11.2991, 16.8709,
21.4231

■ 36.8252, 29.9707,
25.2976

■ 40.5219, 31.8726,
25.6454

Harmonies

Analogous

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



17.0292, 19.7954, 20.1694



17.0294, 19.7954, 23.0020



17.4964, 19.7954, 25.6593

Triad

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



17.0294, 19.7954, 23.0020



20.1986, 19.7954, 25.6579



19.3134, 19.7954, 16.6890

Complementary

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



17.0294, 19.7954, 23.0020



16.1023, 15.0717, 14.8932

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.



20.1981, 19.7954, 17.9114



17.0294, 19.7954, 23.0020



20.7213, 19.7954, 23.0002

Square

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



17.0294, 19.7954, 23.0020



19.3140, 19.7954, 27.2820



20.7211, 19.7954, 20.1677



18.3245, 19.7954, 16.6894

Rectangle

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



17.0294, 19.7954, 23.0020



18.0193, 19.7954, 26.9028



20.7211, 19.7954, 20.1677



19.6336, 19.7954, 16.9655

Sweetspot

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



17.0300, 19.7962, 23.0024



34.0884, 36.9601, 41.1100



15.7460, 19.2998, 15.4660



7.9424, 8.6335, 9.6195



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.



17.0300, 19.7962, 23.0024



28.9111, 34.3032, 40.3224



15.6564, 16.9440, 22.8683



4.4395, 4.8841, 5.4856



11.2035, 16.7280, 21.2422



0.0000, 0.0000, 0.0000

Inverse Universe

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



16.1023, 15.0717, 14.8932



26.9942, 24.5395, 23.5647



17.2846, 17.5162, 15.0407



4.3340, 4.3467, 4.5631



8.8540, 4.5613, 0.5548



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 17.0294, 19.7954, 23.0020 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 17.0294, 19.7954, 23.0020 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

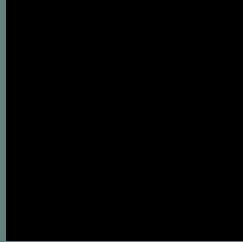
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 17.0294, 19.7954, 23.0020

Background



This preview shows how black text looks on a background with the XYZ color 17.0294, 19.7954, 23.0020.



This preview shows how white text looks on a background with the XYZ color 17.0294, 19.7954,

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

17.0294, 19.7954, 23.0020

Protanopia

19.0551, 19.7343, 21.8736

Deuteranopia

20.0750, 19.6842, 23.5102



Tritanopia

17.8136, 19.9279, 26.5745

Trichromacy



Original Color

17.0294, 19.7954, 23.0020

Protanomaly

18.2454, 19.6779, 22.2386

Deuteranomaly

18.7410, 19.5425, 23.2064

Tritanomaly

17.4165, 19.7558, 25.0856

Monochromacy



Original Color

17.0294, 19.7954, 23.0020

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

17.4682, 19.1067, 21.5062

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.0294, 19.7954, 23.0020 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(102, 128, 127)` looks like.

```
.text, #text, p{  
    color:rgb(102, 128, 127)  
}
```

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(102, 128, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 128, 127) }
```

Border

The CSS property to change the border of an element to XYZ 17.0294, 19.7954, 23.0020 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(102, 128, 127) }
```


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

```
.border{ border-color:rgb(102, 128, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 128, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 128, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 128, 127);  
box-shadow:4px 4px 4px 4px rgb(102, 128,  
127) }
```

Background

The CSS property to change the background color of an element to XYZ 17.0294, 19.7954, 23.0020 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 128, 127) }
```

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

```
.background{ background-color: rgb(102,  
128, 127) }
```

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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