

Converting Colors

XYZ(16.0203, 18.1905, 20.2290)

Have a look what the booklet for
XYZ(16.0203, 18.1905, 20.2290)
contains.

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Color

**XYZ(15.9982, 18.1940,
20.1214)**

Conversions

Conversions Part 1

Format	Color
Hex	687A77
RGB	104, 122, 119
RGB Percent	41%, 48%, 47%
CMY	0.5922, 0.5216, 0.5333
CMYK	0.15, 0.00, 0.02, 0.52
HSL	170°, 8%, 44%
HSV	170°, 15%, 48%
XYZ	15.9982, 18.1940, 20.1214
YIQ	116.2760, -9.7650, -4.7490

Conversions

Conversions Part 2

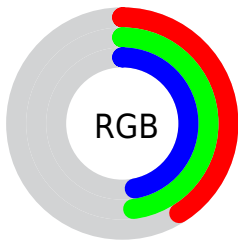
Format	Color
RYB	104, 114, 122
Decimal	6847095
CIELab	49.73, -7.25, -0.59
CIELCh	50, 7.279, 184.653
Yxy	18.1940, 0.2946, 0.3350
Android (android.graphics.Color)	4285037175 (0xFF687A77)
YUV	116.2760, 1.3429, -10.7661
Hunter-Lab	42.6544, -7.6961, 1.8892

Details

The XYZ color **15.9982, 18.1940, 20.1214** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.6308, 15.1002, 16.0014**, and the grayscale version is **16.6837, 17.5525, 19.1147**.

A 20% lighter version of the original color is **36.0043, 40.1809, 44.3861**, and **5.2072, 6.0899, 6.8622** is the 20% darker color. If you saturate the color by 10%, you get **14.5625, 17.4683, 19.4236**, and if you desaturate by 10%, it is **17.6424, 19.0279, 20.8434**.

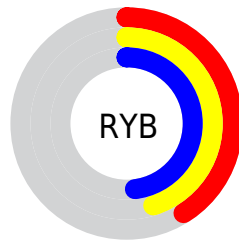
Distribution



Red (41%)

Green (48%)

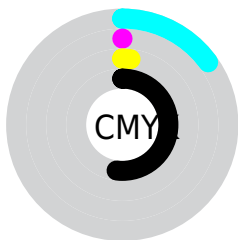
Blue (47%)



Red (41%)

Yellow (45%)

Blue (48%)

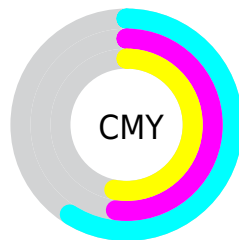


Cyan (15%)

Magenta (0%)

Yellow (2%)

Black (52%)



Cyan (59%)

Magenta (52%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.9982, 18.1940, 20.1214 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 15.9982, 18.1940, 20.1214 by changing the saturation by 10% instead.

■ 15.9982, 18.1940,
20.1214

■ 15.9982, 18.1940,
20.1214

222.6017,
241.9623, 265.1975

■ 9.6137, 11.0894,
12.2984

■ 36.1526, 40.3676,
44.4823

■ 5.2039, 6.1270,
6.8222

■ 50.6531, 56.2054,
61.8572

■ 2.4034, 2.9224,
3.2744

■ 68.5898, 75.7230,
83.2531

■ 0.8468, 1.0914,
1.2364

■ 90.3279, 99.3048,
109.0887

■ 0.0000, 0.0000,
0.0088

116.2328,
127.3353, 139.7824

■ 0.0000, 0.0000,
0.0000

146.6698,

160.1987, 175.7527

182.0043,
198.2796, 217.4182

■ 15.9982, 18.1940,
20.1214

■ 15.9982, 18.1940,
20.1214

■ 14.5625, 17.4683,
19.4236

■ 17.6424, 19.0279,
20.8434

■ 13.3251, 16.8441,
18.7482

■ 19.5020, 19.9719,
21.5888

■ 12.2770, 16.3172,
18.0952

■ 21.5851, 21.0309,
22.3585

■ 11.4081, 15.8823,
17.4640

■ 23.8992, 22.2087,
23.1530

■ 10.7073, 15.5338,
16.8540

■ 26.4513, 23.5089,
23.9725

■ 10.1620, 15.2651,
16.2644

■ 29.2482, 24.9349,
24.8176

■ 9.7582, 15.0692,
15.6947

■ 32.2965, 26.4902,
25.6886

■ 9.4744, 14.9348,
15.1436

■ 35.6023, 28.1780,
26.5858

■ 9.3413, 14.8723,
14.8604

■ 39.1716, 30.0013,
27.5097

Harmonies

Analogous

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



16.1161, 18.1940, 18.2206



15.9982, 18.1940, 20.1214



16.2195, 18.1940, 22.0607

Triad

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



15.9982, 18.1940, 20.1214



18.0618, 18.1940, 23.1189



17.8697, 18.1940, 16.5570

Complementary

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



15.9982, 18.1940, 20.1214



15.6308, 15.1002, 16.0014

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.



18.4125, 18.1940, 17.7182



15.9982, 18.1940, 20.1214



18.5255, 18.1940, 21.4896

Square

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



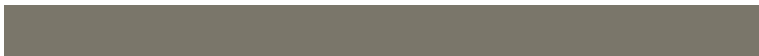
15.9982, 18.1940, 20.1214



17.4012, 18.1940, 23.8633



18.6555, 18.1940, 19.5022



17.1850, 18.1940, 16.2441

Rectangle

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



15.9982, 18.1940, 20.1214



16.5332, 18.1940, 23.0894



18.6555, 18.1940, 19.5022



18.0754, 18.1940, 16.8571

Sweetspot

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



15.9987, 18.1948, 20.1218



31.2406, 33.5775, 36.7532



15.5583, 18.0637, 15.7636



7.0981, 7.6547, 8.3848



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



15.9987, 18.1948, 20.1218



27.1742, 31.5171, 34.9421



15.5023, 16.9089, 20.8599



4.0797, 4.5015, 4.9537



9.8319, 15.6564, 15.6314



46.6292, 74.5747, 73.1427

Inverse Universe

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



15.6308, 15.1002, 16.0014



26.3855, 24.8815, 26.1080



16.0689, 16.2248, 15.3817



4.0231, 4.0249, 4.3191



8.5840, 4.4097, 1.1002



40.7276, 20.9474, 4.0959

Previews

White Background



This preview shows how the XYZ color 15.9982, 18.1940, 20.1214 looks on a white 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

Black Background



This preview shows how the XYZ color 15.9982, 18.1940, 20.1214 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

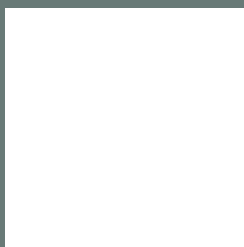
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.9982, 18.1940, 20.1214

Background



This preview shows how black text looks on a background with the XYZ color 15.9982, 18.1940, 20.1214.



This preview shows how white text looks on a background with the XYZ color 15.9982, 18.1940,

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

15.9982, 18.1940, 20.1214

Protanopia

17.2594, 17.9766, 19.0832

Deuteranopia

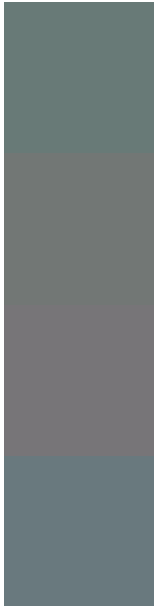
18.3706, 18.0043, 20.5961



Tritanopia

16.6896, 18.1088, 23.7348

Trichromacy



Original Color

15.9982, 18.1940, 20.1214

Protanomaly

16.7471, 18.0554, 19.4320

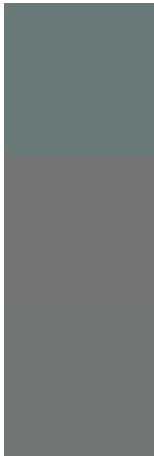
Deuteranomaly

17.3592, 18.0006, 20.3288

Tritanomaly

16.4290, 18.1844, 22.3827

Monochromacy



Original Color

15.9982, 18.1940, 20.1214

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

16.3714, 17.6860, 19.3805

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.9982, 18.1940, 20.1214 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(104, 122, 119)` looks like.

```
.text, #text, p{  
    color:rgb(104, 122, 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(104, 122, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 122, 119) }
```

Border

The CSS property to change the border of an element to XYZ 15.9982, 18.1940, 20.1214 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(104, 122, 119) }
```


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

```
.border{ border-color:rgb(104, 122, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 122, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 122, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 122, 119);  
box-shadow:4px 4px 4px 4px rgb(104, 122,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 15.9982, 18.1940, 20.1214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 122, 119) }
```

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

```
.background{ background-color: rgb(104,  
122, 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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