

Converting Colors

XYZ(20.1823, 27.4604, 19.8606)

Have a look what the booklet for
XYZ(20.1823, 27.4604, 19.8606)
contains.

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Color

**XYZ(20.1815, 27.4597,
19.8594)**

Conversions

Conversions Part 1

Format	Color
Hex	669B71
RGB	102, 155, 113
RGB Percent	40%, 61%, 44%
CMY	0.6000, 0.3921, 0.5569
CMYK	0.34, 0.00, 0.27, 0.39
HSL	132°, 21%, 50%
HSV	132°, 34%, 61%
XYZ	20.1815, 27.4597, 19.8594
YIQ	134.3650, -18.1060, -24.2980

Conversions

Conversions Part 2

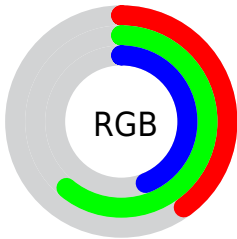
Format	Color
R_{YB}	102, 146, 155
Decimal	6724465
CIE _{Lab}	59.40, -26.70, 16.57
CIE _{LCh}	59, 31.423, 148.168
Yxy	27.4597, 0.2990, 0.4068
Android (android.graphics.Color)	4284914545 (0xFF669B71)
YUV	134.3650, -10.5329, -28.3841
Hunter-Lab	52.4020, -22.9581, 14.2116

Details

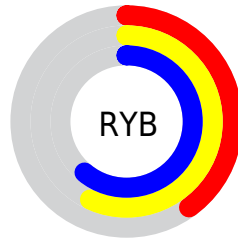
The XYZ color **20.1815, 27.4597, 19.8594** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **23.3039, 18.4856, 28.7265**, and the grayscale version is **22.8373, 24.0266, 26.1650**.

A 20% lighter version of the original color is **43.3557, 55.7784, 44.0785**, and **7.2206, 10.8122, 6.7074** is the 20% darker color. If you saturate the color by 10%, you get **17.9411, 26.3801, 16.3859**, and if you desaturate by 10%, it is **22.8455, 28.7484, 23.8425**.

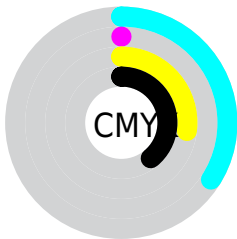
Distribution



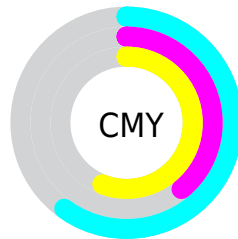
- Red (40%)
- Green (61%)
- Blue (44%)



- Red (40%)
- Yellow (57%)
- Blue (61%)



- Cyan (34%)
- Magenta (0%)
- Yellow (27%)
- Black (39%)



- Cyan (60%)
- Magenta (39%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.1815, 27.4597, 19.8594 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 20.1815, 27.4597, 19.8594 by changing the saturation by 10% instead.

■ 20.1815, 27.4597,
19.8594

■ 20.1815, 27.4597,
19.8594

245.7109,
289.8761, 263.7320

■ 12.6361, 17.9188,
12.1098

■ 43.2229, 55.6207,
44.0372

■ 7.2537, 10.8917,
6.6951

■ 59.4496, 75.0095,
61.3025

■ 3.6690, 5.9940,
3.1966

■ 79.3007, 98.4497,
82.5768

■ 1.5166, 2.8415,
1.1959

■ 103.1417,
126.3258, 108.2786

■ 0.3371, 1.0495,
0.0000

131.3378,
159.0221, 138.8265

■ 0.0000, 0.0000,
0.0000

164.2545,

196.9229, 174.6390

202.2571,
240.4128, 216.1346

■ 20.1815, 27.4597,
19.8594

■ 20.1815, 27.4597,
19.8594

■ 17.9411, 26.3801,
16.3859

■ 22.8455, 28.7484,
23.8425

■ 16.1000, 25.4951,
13.3998

■ 25.9513, 30.2529,
28.3528

■ 14.6347, 24.7940,
10.8796


■ 29.5187, 31.9838,
33.4092


■ 13.5186, 24.2635,
8.8017


■ 33.5658, 33.9499,
39.0292


■ 12.7211, 23.8883,
7.1405


■ 38.1095, 36.1598,
45.2294


 12.2057, 23.6503,
5.8674

 43.1661, 38.6213,
52.0258

 11.9849, 23.5489,
5.2924

 48.7508, 41.3422,
59.4339

 54.8786, 44.3297,
67.4684

 61.5636, 47.5908,
76.1436

Harmonies

Analogous

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



22.6864, 27.4597, 14.5688



20.1815, 27.4597, 19.8594



19.2405, 27.4597, 29.2113

Triad

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



20.1815, 27.4597, 19.8594



25.8584, 27.4597, 57.2269



33.3587, 27.4597, 20.7873

Complementary

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



20.1815, 27.4597, 19.8594



23.3039, 18.4856, 28.7265

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.



34.4212, 27.4597, 30.5973



20.1815, 27.4597, 19.8594



29.8390, 27.4597, 53.3752

Square

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



20.1815, 27.4597, 19.8594



22.3068, 27.4597, 52.3618



33.0745, 27.4597, 42.8543



30.2997, 27.4597, 15.0022

Rectangle

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



20.1815, 27.4597, 19.8594



19.5470, 27.4597, 37.1819



33.0745, 27.4597, 42.8543



33.9739, 27.4597, 23.6351

Sweetspot

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



20.1822, 27.4608, 19.8600



48.9277, 55.3674, 54.2766



25.6923, 30.3687, 17.0784



10.8894, 12.4424, 12.0219



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



20.1822, 27.4608, 19.8600



33.0234, 47.6726, 30.7528



21.8692, 28.1356, 28.7435



6.1820, 6.9455, 6.8819



9.6378, 18.9186, 4.3131



0.1552, 0.2873, 0.1233

Inverse Universe

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



23.3039, 18.4856, 28.7265



39.4723, 29.1129, 49.0558



21.5338, 17.7776, 19.4054



6.4063, 6.3017, 7.5196



13.7345, 6.7480, 15.6585



0.2177, 0.1058, 0.2991

Previews

White Background



This preview shows how the XYZ color 20.1815, 27.4597, 19.8594 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 20.1815, 27.4597, 19.8594 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 20.1815, 27.4597, 19.8594

Background



This preview shows how black text looks on a background with the XYZ color 20.1815, 27.4597, 19.8594.



This preview shows how white text looks on a background with the XYZ color 20.1815, 27.4597,

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

20.1815, 27.4597, 19.8594

Protanopia

25.2757, 27.0829, 17.8053

Deuteranopia

27.6736, 27.1750, 20.6164



Tritanopia

23.8626, 27.5128, 37.7710

Trichromacy



Original Color

20.1815, 27.4597, 19.8594

Protanomaly

23.0256, 27.0399, 18.4736

Deuteranomaly

24.2810, 26.9583, 20.4467

Tritanomaly

22.2850, 27.3350, 30.4872

Monochromacy



Original Color

20.1815, 27.4597, 19.8594

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

21.4649, 24.9899, 23.4309

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1815, 27.4597, 19.8594 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, 155, 113)` looks like.

```
.text, #text, p{  
    color:rgb(102, 155, 113)  
}
```

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, 155, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 155, 113) }
```

Border

The CSS property to change the border of an element to XYZ 20.1815, 27.4597, 19.8594 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, 155, 113) }
```


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

```
.border{ border-color:rgb(102, 155, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 155, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 155, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 155, 113);  
box-shadow:4px 4px 4px 4px rgb(102, 155,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 20.1815, 27.4597, 19.8594 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 155, 113) }
```

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

```
.background{ background-color: rgb(102,  
155, 113) }
```

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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