

Converting Colors

XYZ(19.1657, 27.6962, 20.4102)

Have a look what the booklet for
XYZ(19.1657, 27.6962, 20.4102)
contains.

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Color

**XYZ(19.1591, 27.6700,
20.5507)**

Conversions

Conversions Part 1

Format	Color
Hex	569E73
RGB	86, 158, 115
RGB Percent	34%, 62%, 45%
CMY	0.6627, 0.3804, 0.5490
CMYK	0.46, 0.00, 0.27, 0.38
HSL	144°, 30%, 48%
HSV	144°, 46%, 62%
XYZ	19.1591, 27.6700, 20.5507
YIQ	131.5700, -29.1090, -28.6370

Conversions

Conversions Part 2

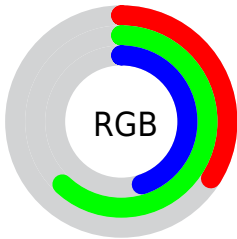
Format	Color
R_{YB}	86, 137, 158
Decimal	5676659
CIE _{Lab}	59.59, -32.65, 15.60
CIE _{LCh}	60, 36.186, 154.457
Yxy	27.6700, 0.2843, 0.4107
Android (android.graphics.Color)	4283866739 (0xFF569E73)
YUV	131.5700, -8.1690, -39.9649
Hunter-Lab	52.6023, -27.0397, 13.6581

Details

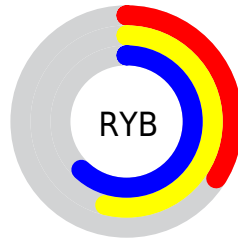
The XYZ color **19.1591, 27.6700, 20.5507** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **21.3917, 15.5102, 22.6361**, and the grayscale version is **21.8139, 22.9499, 24.9925**.

A 20% lighter version of the original color is **41.4168, 55.8675, 45.1598**, and **6.7628, 11.0204, 7.0809** is the 20% darker color. If you saturate the color by 10%, you get **17.3466, 26.7960, 17.7753**, and if you desaturate by 10%, it is **21.3502, 28.7343, 23.6353**.

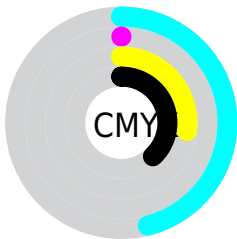
Distribution



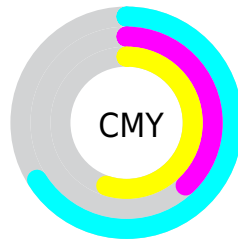
- Red (34%)
- Green (62%)
- Blue (45%)



- Red (34%)
- Yellow (54%)
- Blue (62%)



- Cyan (46%)
- Magenta (0%)
- Yellow (27%)
- Black (38%)



- Cyan (66%)
- Magenta (38%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.1591, 27.6700, 20.5507 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 19.1591, 27.6700, 20.5507 by changing the saturation by 10% instead.

■ 19.1591, 27.6700,
20.5507

■ 19.1591, 27.6700,
20.5507

240.2470,
290.8867, 267.5831

■ 11.8900, 18.0770,
12.6079

■ 41.5176, 55.9571,
45.2096

■ 6.7405, 11.0053,
7.0316

■ 57.3376, 75.4201,
62.7628

■ 3.3452, 6.0704,
3.4031

■ 76.7387, 98.9419,
84.3566

■ 1.3388, 2.8879,
1.3040

■ 100.0862,
126.9069, 110.4096

■ 0.2120, 1.0735,
0.0650

127.7454,
159.6995, 141.3401

■ 0.0000, 0.0000,
0.0000

160.0817,

197.7040, 177.5669

197.4604,
241.3050, 219.5084

■ 19.1591, 27.6700,
20.5507

■ 19.1591, 27.6700,
20.5507

■ 17.3466, 26.7960,
17.7753

■ 21.3502, 28.7343,
23.6353

■ 15.8876, 26.0971,
15.2973

■ 23.9389, 29.9963,
27.0364

■ 14.7568, 25.5615,
13.1072


■ 26.9453, 31.4667,
30.7636


■ 13.9248, 25.1741,
11.1938


■ 30.3876, 33.1550,
34.8255


■ 13.3529, 24.9151,
9.5453


■ 34.2829, 35.0696,
39.2301

 13.1426, 24.8209,
8.8951

 38.6472, 37.2187,
43.9855

 43.4958, 39.6101,
49.0993

 48.8434, 42.2512,
54.5789

 54.7040, 45.1490,
60.4314

Harmonies

Analogous

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



21.6467, 27.6700, 13.8111



19.1591, 27.6700, 20.5507



18.4950, 27.6700, 32.1204

Triad

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



19.1591, 27.6700, 20.5507



26.9863, 27.6700, 62.7126



34.2067, 27.6700, 18.0430

Complementary

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



19.1591, 27.6700, 20.5507



21.3917, 15.5102, 22.6361

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.



36.0387, 27.6700, 28.2196



19.1591, 27.6700, 20.5507



31.5753, 27.6700, 55.9196

Square

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



19.1591, 27.6700, 20.5507



22.6992, 27.6700, 58.9168



35.0244, 27.6700, 42.2962



30.2617, 27.6700, 12.6839

Rectangle

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



19.1591, 27.6700, 20.5507



19.1023, 27.6700, 41.7577



35.0244, 27.6700, 42.2962



35.1095, 27.6700, 20.8868

Sweetspot

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



19.1598, 27.6711, 20.5513



49.6957, 57.5158, 56.7860



22.9912, 29.8097, 13.3464



10.9330, 12.8342, 12.4755



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



19.1598, 27.6711, 20.5513



31.3514, 48.5877, 32.0387



21.6352, 28.6613, 33.5862



6.6559, 7.4431, 7.6227



10.5439, 19.8855, 7.2213



0.2089, 0.3637, 0.2362

Inverse Universe

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



21.3917, 15.5102, 22.6361



35.9312, 23.5861, 36.2818



19.4137, 14.7190, 12.2205



6.7909, 6.7093, 7.7502



12.9441, 6.4822, 9.2226



0.2520, 0.1241, 0.2731

Previews

White Background



This preview shows how the XYZ color 19.1591, 27.6700, 20.5507 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 19.1591, 27.6700, 20.5507 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

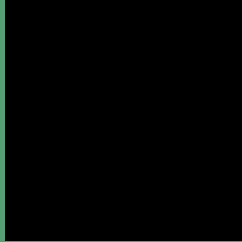
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.1591, 27.6700, 20.5507

Background



This preview shows how black text looks on a background with the XYZ color 19.1591, 27.6700, 20.5507.



This preview shows how white text looks on a background with the XYZ color 19.1591, 27.6700,

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

19.1591, 27.6700, 20.5507

Protanopia

25.6661, 27.4999, 18.1426

Deuteranopia

27.8529, 27.2467, 21.5604



Tritanopia

22.9661, 27.7335, 39.2646

Trichromacy



Original Color

19.1591, 27.6700, 20.5507

Protanomaly

22.5124, 26.9946, 19.0629

Deuteranomaly

23.5488, 26.7930, 21.0700

Tritanomaly

21.3600, 27.5662, 31.3891

Monochromacy



Original Color

19.1591, 27.6700, 20.5507

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

20.3610, 24.2009, 23.3368

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.1591, 27.6700, 20.5507 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(86, 158, 115)` looks like.

```
.text, #text, p{  
    color:rgb(86, 158, 115)  
}
```

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(86, 158, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 158, 115) }
```

Border

The CSS property to change the border of an element to XYZ 19.1591, 27.6700, 20.5507 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(86, 158, 115) }
```


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

```
.border{ border-color:rgb(86, 158, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 158, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 158, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 158, 115);  
box-shadow:4px 4px 4px 4px rgb(86, 158,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 19.1591, 27.6700, 20.5507 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 158, 115) }
```

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

```
.background{ background-color: rgb(86, 158,  
115) }
```

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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