

Converting Colors

XYZ(19.7578, 27.0728, 17.6477)

Have a look what the booklet for
XYZ(19.7578, 27.0728, 17.6477)
contains.

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Color

**XYZ(19.6989, 27.0147,
17.5407)**

Conversions

Conversions Part 1

Format	Color
Hex	679A69
RGB	103, 154, 105
RGB Percent	40%, 60%, 41%
CMY	0.5961, 0.3961, 0.5882
CMYK	0.33, 0.00, 0.32, 0.40
HSL	122°, 20%, 50%
HSV	122°, 33%, 60%
XYZ	19.6989, 27.0147, 17.5407
YIQ	133.1650, -14.6670, -26.0510

Conversions

Conversions Part 2

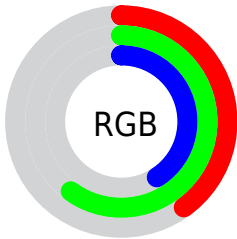
Format	Color
RYB	103, 152, 154
Decimal	6789737
CIELab	58.99, -27.33, 20.47
CIELCh	59, 34.142, 143.172
Yxy	27.0147, 0.3066, 0.4204
Android (android.graphics.Color)	4284979817 (0xFF679A69)
YUV	133.1650, -13.8853, -26.4547
Hunter-Lab	51.9757, -23.3055, 16.3738

Details

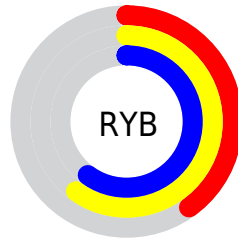
The XYZ color **19.6989, 27.0147, 17.5407** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **23.8450, 18.8380, 32.0861**, and the grayscale version is **22.4078, 23.5748, 25.6729**.

A 20% lighter version of the original color is **42.5966, 55.1032, 40.2892**, and **6.9581, 10.5550, 5.5415** is the 20% darker color. If you saturate the color by 10%, you get **17.3971, 25.9092, 13.8028**, and if you desaturate by 10%, it is **22.4598, 28.3431, 21.9920**.

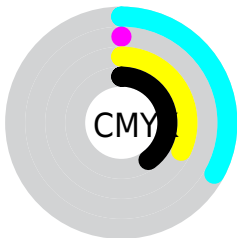
Distribution



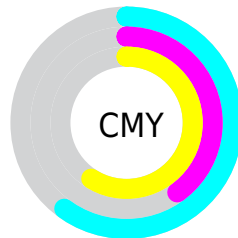
- Red (40%)
- Green (60%)
- Blue (41%)



- Red (40%)
- Yellow (60%)
- Blue (60%)



- Cyan (33%)
- Magenta (0%)
- Yellow (32%)
- Black (40%)



- Cyan (60%)
- Magenta (40%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.6989, 27.0147, 17.5407 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 19.6989, 27.0147, 17.5407 by changing the saturation by 10% instead.

■ 19.6989, 27.0147,
17.5407

■ 19.6989, 27.0147,
17.5407

243.1451,
287.7283, 250.4179

■ 12.2834, 17.5843,
10.4547

■ 42.4196, 54.9075,
40.0564

■ 7.0105, 10.6519,
5.5920

■ 58.4555, 74.1386,
56.3233

■ 3.5151, 5.8333,
2.5338

■ 78.0955, 97.4054,
76.4875

■ 1.4316, 2.7440,
0.8580

■ 101.7050,
125.0922, 100.9676

■ 0.2786, 0.9996,
0.0000

129.6493,
157.5835, 130.1821

■ 0.0000, 0.0000,
0.0000

162.2939,

195.2637, 164.5497

200.0041,
238.5172, 204.4887

■ 19.6989, 27.0147,
17.5407

■ 19.6989, 27.0147,
17.5407

■ 17.3971, 25.9092,
13.8028

■ 22.4598, 28.3431,
21.9920

■ 15.5276, 25.0113,
10.7396

■ 25.7006, 29.9021,
27.1891

■ 14.0640, 24.3090,
8.3113


■ 29.4434, 31.7032,
33.1647


■ 12.9761, 23.7878,
6.4735


■ 33.7081, 33.7561,
39.9490


■ 12.2297, 23.4309,
5.1758


■ 38.5139, 36.0698,
47.5706


 11.7841, 23.2188,
4.3597

 43.8787, 38.6532,
56.0566

 11.5892, 23.1255,
4.0264

 49.8196, 41.5145,
65.4330

 56.3532, 44.6616,
75.7246

 63.4952, 48.1023,
86.9554

Harmonies

Analogous

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



22.6062, 27.0147, 12.7715



19.6989, 27.0147, 17.5407



18.4154, 27.0147, 26.7300

Triad

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



19.6989, 27.0147, 17.5407



24.7214, 27.0147, 59.1489



33.9068, 27.0147, 21.1647

Complementary

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



19.6989, 27.0147, 17.5407



23.8450, 18.8380, 32.0861

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.



34.6326, 27.0147, 32.2728



19.6989, 27.0147, 17.5407



29.0133, 27.0147, 56.4591

Square

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



19.6989, 27.0147, 17.5407



21.1017, 27.0147, 52.2874



32.7558, 27.0147, 45.7102



30.8692, 27.0147, 14.4268

Rectangle

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



19.6989, 27.0147, 17.5407



18.5410, 27.0147, 35.0505



32.7558, 27.0147, 45.7102



34.4421, 27.0147, 24.4174

Sweetspot

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



19.6996, 27.0158, 17.5413



48.5727, 55.2254, 52.4072



27.0101, 30.7963, 17.3528



10.8002, 12.4067, 11.5520



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.



19.6996, 27.0158, 17.5413



32.4987, 47.4950, 26.5338



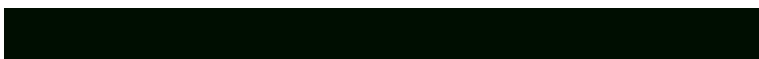
21.1926, 27.6130, 25.4031



6.1415, 6.9293, 6.6685



9.4448, 18.8414, 3.2970



0.1435, 0.2826, 0.0613

Inverse Universe

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



23.8450, 18.8380, 32.0861



41.2565, 30.2137, 57.2581



21.9952, 18.0981, 22.3450



6.4507, 6.3195, 7.7538



15.2128, 7.3394, 23.4434



0.2302, 0.1108, 0.3652

Previews

White Background



This preview shows how the XYZ color 19.6989, 27.0147, 17.5407 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 19.6989, 27.0147, 17.5407 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

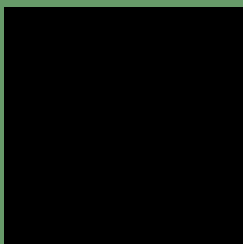
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.6989, 27.0147, 17.5407

Background



This preview shows how black text looks on a background with the XYZ color 19.6989, 27.0147, 17.5407.



This preview shows how white text looks on a background with the XYZ color 19.6989, 27.0147,

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

19.6989, 27.0147, 17.5407

Protanopia

24.9620, 26.7422, 15.9027

Deuteranopia

27.2904, 26.8194, 18.2063



Tritanopia

23.5018, 26.8814, 36.7508

Trichromacy



Original Color

19.6989, 27.0147, 17.5407

Protanomaly

22.6688, 26.6680, 16.5230

Deuteranomaly

23.8569, 26.5673, 18.0580

Tritanomaly

21.8732, 26.9280, 28.4709

Monochromacy



Original Color

19.6989, 27.0147, 17.5407

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

21.1261, 24.6174, 22.3771

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.6989, 27.0147, 17.5407 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(103, 154, 105)` looks like.

```
.text, #text, p{  
    color:rgb(103, 154, 105)  
}
```

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(103, 154, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 154, 105) }
```

Border

The CSS property to change the border of an element to XYZ 19.6989, 27.0147, 17.5407 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(103, 154, 105) }
```


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

```
.border{ border-color:rgb(103, 154, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 154, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 154, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 154, 105);  
box-shadow:4px 4px 4px 4px rgb(103, 154,  
105) }
```

Background

The CSS property to change the background color of an element to XYZ 19.6989, 27.0147, 17.5407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 154, 105) }
```

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

```
.background{ background-color: rgb(103,  
154, 105) }
```

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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