

Converting Colors

XYZ(19.5746, 27.3815, 16.1553)

Have a look what the booklet for
XYZ(19.5746, 27.3815, 16.1553)
contains.

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Color

**XYZ(19.6201, 27.5026,
16.0788)**

Conversions

Conversions Part 1

Format	Color
Hex	669C63
RGB	102, 156, 99
RGB Percent	40%, 61%, 39%
CMY	0.6000, 0.3882, 0.6118
CMYK	0.35, 0.00, 0.37, 0.39
HSL	117°, 22%, 50%
HSV	117°, 37%, 61%
XYZ	19.6201, 27.5026, 16.0788
YIQ	133.3560, -13.8870, -29.1750

Conversions

Conversions Part 2

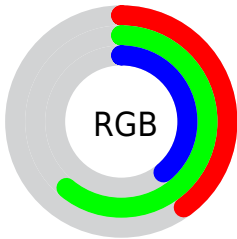
Format	Color
R_{YB}	99, 156, 153
Decimal	6724707
CIE _{Lab}	59.44, -29.66, 24.35
CIE _{LCh}	59, 38.374, 140.613
Yxy	27.5026, 0.3104, 0.4352
Android (android.graphics.Color)	4284914787 (0xFF669C63)
YUV	133.3560, -16.9375, -27.4992
Hunter-Lab	52.4429, -24.9942, 18.5320

Details

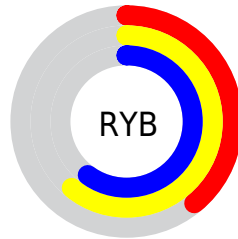
The XYZ color **19.6201, 27.5026, 16.0788** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **23.6007, 18.0971, 33.7032**, and the grayscale version is **22.4883, 23.6594, 25.7651**.

A 20% lighter version of the original color is **42.3169, 55.7591, 37.3864**, and **6.9131, 10.8435, 4.8606** is the 20% darker color. If you saturate the color by 10%, you get **17.4171, 26.4457, 12.4516**, and if you desaturate by 10%, it is **22.2673, 28.7734, 20.4800**.

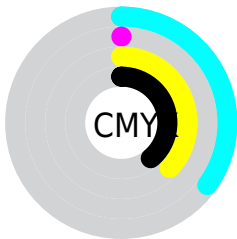
Distribution



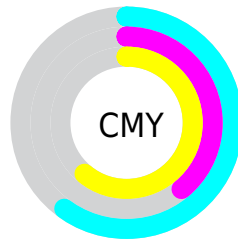
- Red (40%)
- Green (61%)
- Blue (39%)



- Red (39%)
- Yellow (61%)
- Blue (60%)



- Cyan (35%)
- Magenta (0%)
- Yellow (37%)
- Black (39%)



- Cyan (60%)
- Magenta (39%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.6201, 27.5026, 16.0788 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 19.6201, 27.5026, 16.0788 by changing the saturation by 10% instead.

■ 19.6201, 27.5026,
16.0788

■ 19.6201, 27.5026,
16.0788

242.7240,
290.0825, 241.6678

■ 12.2259, 17.9510,
9.4250

■ 42.2882, 55.6893,
37.5036

■ 6.9710, 10.9148,
4.9188

■ 58.2927, 75.0933,
53.1117

■ 3.4901, 6.0096,
2.1418

■ 77.8980, 98.5502,
72.5417

■ 1.4179, 2.8509,
0.6405

■ 101.4694,
126.4444, 96.2120

■ 0.2690, 1.0544,
0.0000

129.3724,
159.1604, 124.5412

■ 0.0000, 0.0000,
0.0000

161.9723,

197.0824, 157.9479

199.6343,
240.5950, 196.8506

■ 19.6201, 27.5026,
16.0788

■ 19.6201, 27.5026,
16.0788

■ 17.4171, 26.4457,
12.4516

■ 22.2673, 28.7734,
20.4800

■ 15.6319, 25.5877,
9.5521

■ 25.3789, 30.2653,
25.6945

■ 14.2387, 24.9173,
7.3316


■ 28.9765, 31.9894,
31.7610


■ 13.2081, 24.4202,
5.7350


■ 33.0796, 33.9549,
38.7153


■ 12.5061, 24.0805,
4.6983


■ 37.7067, 36.1708,
46.5910


 12.0894, 23.8779,
4.1268

 42.8754, 38.6453,
55.4200

 11.9918, 23.8310,
3.9678

 48.6025, 41.3865,
65.2329

 54.9040, 44.4019,
76.0586

 61.7953, 47.6990,
87.9250

Harmonies

Analogous

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



23.0157, 27.5026, 11.3574



19.6201, 27.5026, 16.0788



18.0313, 27.5026, 25.8271

Triad

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



19.6201, 27.5026, 16.0788



24.6597, 27.5026, 64.4467



35.7949, 27.5026, 21.5501

Complementary

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



19.6201, 27.5026, 16.0788



23.6007, 18.0971, 33.7032

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.



36.3758, 27.5026, 34.4803



19.6201, 27.5026, 16.0788



29.5358, 27.5026, 62.2357

Square

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



19.6201, 27.5026, 16.0788



20.6964, 27.5026, 55.4573



33.9655, 27.5026, 50.1103



32.4640, 27.5026, 13.7765

Rectangle

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



19.6201, 27.5026, 16.0788



18.0582, 27.5026, 35.0972



33.9655, 27.5026, 50.1103



36.3330, 27.5026, 25.3246

Sweetspot

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



19.6208, 27.5038, 16.0794



49.4577, 56.5805, 52.3324



27.2244, 30.4916, 16.2554



10.7056, 12.3652, 11.2165



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.



19.6208, 27.5038, 16.0794



32.2464, 48.3254, 23.6195



20.6541, 27.8785, 23.2627



6.5814, 7.4169, 7.0704



9.8865, 19.6334, 3.2686



0.1852, 0.3554, 0.0588

Inverse Universe

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



23.6007, 18.0971, 33.7032



40.5704, 28.6286, 60.5143



22.2902, 17.6391, 23.8103



6.8697, 6.7368, 8.3449



14.9807, 7.1518, 26.4981



0.2773, 0.1327, 0.4742

Previews

White Background



This preview shows how the XYZ color 19.6201, 27.5026, 16.0788 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 19.6201, 27.5026, 16.0788 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 19.6201, 27.5026, 16.0788

Background



This preview shows how black text looks on a background with the XYZ color 19.6201, 27.5026, 16.0788.



This preview shows how white text looks on a background with the XYZ color 19.6201, 27.5026,

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

19.6201, 27.5026, 16.0788

Protanopia

25.1664, 27.1049, 14.2613

Deuteranopia

27.7560, 27.3056, 16.6396



Tritanopia

23.9027, 27.5437, 37.3144

Trichromacy



Original Color

19.6201, 27.5026, 16.0788

Protanomaly

22.6526, 26.9279, 14.8302

Deuteranomaly

24.0486, 26.9256, 16.5000

Tritanomaly

22.1224, 27.5427, 28.1950

Monochromacy



Original Color

19.6201, 27.5026, 16.0788

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

21.0021, 24.5678, 21.7243

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.6201, 27.5026, 16.0788 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, 156, 99)` looks like.

```
.text, #text, p{  
    color:rgb(102, 156, 99)  
}
```

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, 156, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 156, 99) }
```

Border

The CSS property to change the border of an element to XYZ 19.6201, 27.5026, 16.0788 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, 156, 99) }
```


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

```
.border{ border-color:rgb(102, 156, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 156, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 156, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 156, 99);  
box-shadow:4px 4px 4px 4px rgb(102, 156,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 19.6201, 27.5026, 16.0788 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 156, 99) }
```

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

```
.background{ background-color: rgb(102,  
156, 99) }
```

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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