

Converting Colors

XYZ(20.0013, 27.6805, 19.7643)

Have a look what the booklet for
XYZ(20.0013, 27.6805, 19.7643)
contains.

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Color

**XYZ(20.0147, 27.6218,
19.8994)**

Conversions

Conversions Part 1

Format	Color
Hex	639C71
RGB	99, 156, 113
RGB Percent	39%, 61%, 44%
CMY	0.6118, 0.3882, 0.5569
CMYK	0.37, 0.00, 0.28, 0.39
HSL	135°, 22%, 50%
HSV	135°, 37%, 61%
XYZ	20.0147, 27.6218, 19.8994
YIQ	134.0550, -20.1690, -25.4570

Conversions

Conversions Part 2

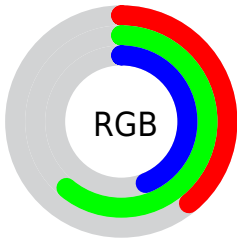
Format	Color
R _Y B	99, 145, 156
Decimal	6528113
CIE Lab	59.55, -28.16, 16.75
CIE LCh	60, 32.766, 149.251
Yxy	27.6218, 0.2964, 0.4090
Android (android.graphics.Color)	4284718193 (0xFF639C71)
YUV	134.0550, -10.3801, -30.7432
Hunter-Lab	52.5564, -23.9969, 14.3406

Details

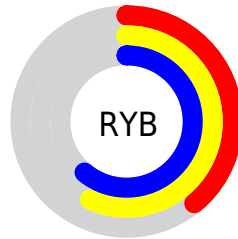
The XYZ color **20.0147, 27.6218, 19.8994** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **23.0556, 17.9453, 27.8410**, and the grayscale version is **22.7231, 23.9064, 26.0341**.

A 20% lighter version of the original color is **43.0347, 55.9805, 44.1345**, and **7.1234, 10.9107, 6.7316** is the 20% darker color. If you saturate the color by 10%, you get **17.8521, 26.5794, 16.5612**, and if you desaturate by 10%, it is **22.5939, 28.8706, 23.7069**.

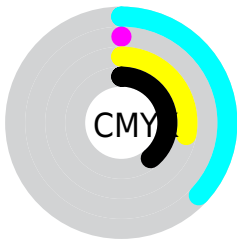
Distribution



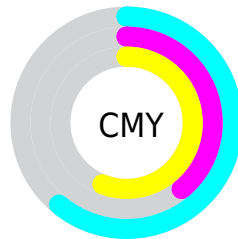
- Red (39%)
- Green (61%)
- Blue (44%)



- Red (39%)
- Yellow (57%)
- Blue (61%)



- Cyan (37%)
- Magenta (0%)
- Yellow (28%)
- Black (39%)



- Cyan (61%)
- Magenta (39%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.0147, 27.6218, 19.8994 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 20.0147, 27.6218, 19.8994 by changing the saturation by 10% instead.

■ 20.0147, 27.6218,
19.8994

■ 20.0147, 27.6218,
19.8994

244.8267,
290.6553, 263.9562

■ 12.5141, 18.0408,
12.1386

■ 42.9456, 55.8801,
44.1052

■ 7.1695, 10.9793,
6.7144

■ 59.1065, 75.3261,
61.3873

■ 3.6156, 6.0529,
3.2084

■ 78.8850, 98.8292,
82.6802

■ 1.4870, 2.8773,
1.2020

■ 102.6462,
126.7738, 108.4025

■ 0.3170, 1.0680,
0.0000

130.7557,
159.5443, 138.9727

■ 0.0000, 0.0000,
0.0000

163.5787,

197.5252, 174.8093

201.4806,
241.1007, 216.3310

■ 20.0147, 27.6218,
19.8994

■ 20.0147, 27.6218,
19.8994

■ 17.8521, 26.5794,
16.5612

■ 22.5939, 28.8706,
23.7069

■ 16.0817, 25.7288,
13.6722

■ 25.6083, 30.3327,
27.9990

■ 14.6797, 25.0590,
11.2137

■ 29.0776, 32.0187,
32.7925

■ 13.6188, 24.5564,
9.1649

■ 33.0200, 33.9376,
38.1031

■ 12.8678, 24.2052,
7.5033

■ 37.4526, 36.0980,
43.9455

■ 12.3815, 23.9827,
6.2037

■ 42.3916, 38.5078,
50.3340

■ 12.2439, 23.9199,
5.8322

■ 47.8523, 41.1748,
57.2824

■ 53.8497, 44.1063,
64.8039

■ 60.3979, 47.3094,
72.9112

Harmonies

Analogous

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



22.5685, 27.6218, 14.3009



20.0147, 27.6218, 19.8994



19.0998, 27.6218, 29.7797

Triad

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



20.0147, 27.6218, 19.8994



26.1502, 27.6218, 58.9579



33.7931, 27.6218, 20.2923

Complementary

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



20.0147, 27.6218, 19.8994



23.0556, 17.9453, 27.8410

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.



35.0023, 27.6218, 30.3732



20.0147, 27.6218, 19.8994



30.3197, 27.6218, 54.5428

Square

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



20.0147, 27.6218, 19.8994



22.4066, 27.6218, 54.1027



33.6707, 27.6218, 43.2366



30.5177, 27.6218, 14.4824

Rectangle

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



20.0147, 27.6218, 19.8994



19.4599, 27.6218, 38.1966



33.6707, 27.6218, 43.2366



34.4690, 27.6218, 23.1956

Sweetspot

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



20.0154, 27.6230, 19.9000



49.7578, 56.6682, 55.3693



25.4174, 30.4919, 16.3506



10.7779, 12.3864, 11.9472



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.



20.0154, 27.6230, 19.9000



33.0278, 48.5650, 31.0323



21.8278, 28.3479, 29.4436



6.6142, 7.4265, 7.4032



10.0969, 19.7067, 4.8674



0.1957, 0.3584, 0.1668

Inverse Universe

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



23.0556, 17.9453, 27.8410



39.3851, 28.3017, 47.6183



21.2216, 17.2117, 18.1836



6.8345, 6.7267, 7.9794



13.9854, 6.8987, 14.7059



0.2655, 0.1295, 0.3443

Previews

White Background



This preview shows how the XYZ color 20.0147, 27.6218, 19.8994 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 20.0147, 27.6218, 19.8994 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 20.0147, 27.6218, 19.8994

Background



This preview shows how black text looks on a background with the XYZ color 20.0147, 27.6218, 19.8994.



This preview shows how white text looks on a background with the XYZ color 20.0147, 27.6218,

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

20.0147, 27.6218, 19.8994

Protanopia

25.6132, 27.4788, 17.8639

Deuteranopia

27.6736, 27.1750, 20.6164



Tritanopia

23.7346, 27.6725, 38.2728

Trichromacy



Original Color

20.0147, 27.6218, 19.8994

Protanomaly

23.0231, 27.2705, 18.5183

Deuteranomaly

24.1101, 26.8702, 20.4387

Tritanomaly

22.0880, 27.4733, 30.5243

Monochromacy



Original Color

20.0147, 27.6218, 19.8994

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

21.3241, 24.9173, 23.4243

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.0147, 27.6218, 19.8994 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(99, 156, 113)` looks like.

```
.text, #text, p{  
    color:rgb(99, 156, 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(99, 156, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 156, 113) }
```

Border

The CSS property to change the border of an element to XYZ 20.0147, 27.6218, 19.8994 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(99, 156, 113) }
```


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

```
.border{ border-color:rgb(99, 156, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 156, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 156, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 156, 113);  
box-shadow:4px 4px 4px 4px rgb(99, 156,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 20.0147, 27.6218, 19.8994 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 156, 113) }
```

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

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