

Converting Colors

XYZ(16.7497, 19.4216, 28.5966)

Have a look what the booklet for
XYZ(16.7497, 19.4216, 28.5966)
contains.

XYZ(16.6883, 19.3054, 28.4379)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(16.6883, 19.3054,
28.4379)**

Conversions

Conversions Part 1

Format	Color
Hex	5A7F8E
RGB	90, 127, 142
RGB Percent	35%, 50%, 56%
CMY	0.6470, 0.5020, 0.4431
CMYK	0.37, 0.11, 0.00, 0.44
HSL	197°, 22%, 45%
HSV	197°, 37%, 56%
XYZ	16.6883, 19.3054, 28.4379
YIQ	117.6470, -26.8670, -3.1790

Conversions

Conversions Part 2

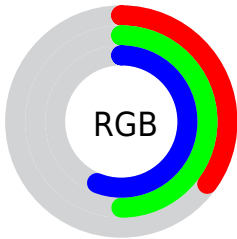
Format	Color
R_{YB}	90, 112, 142
Decimal	5930894
CIE _{Lab}	51.04, -9.00, -12.25
CIE _{LCh}	51, 15.200, 233.711
Yxy	19.3054, 0.2590, 0.2996
Android (android.graphics.Color)	4284120974 (0xFF5A7F8E)
YUV	117.6470, 12.0060, -24.2464
Hunter-Lab	43.9379, -9.0943, -7.6177

Details

The XYZ color **16.6883, 19.3054, 28.4379** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **18.0527, 16.5923, 11.9245**, and the grayscale version is **17.0798, 17.9693, 19.5686**.

A 20% lighter version of the original color is **37.4404, 42.3788, 58.4312**, and **5.5312, 6.6726, 11.1216** is the 20% darker color. If you saturate the color by 10%, you get **14.9187, 17.6242, 28.2070**, and if you desaturate by 10%, it is **18.7445, 21.1672, 28.6892**.

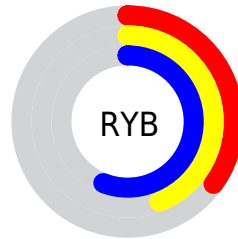
Distribution



Red (35%)

Green (50%)

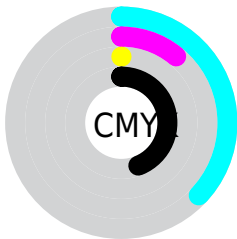
Blue (56%)



Red (35%)

Yellow (44%)

Blue (56%)

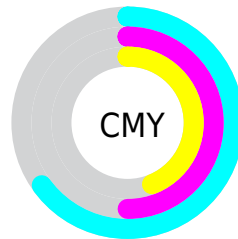


Cyan (37%)

Magenta (11%)

Yellow (0%)

Black (44%)



Cyan (65%)

Magenta (50%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.6883, 19.3054, 28.4379 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 16.6883, 19.3054, 28.4379 by changing the saturation by 10% instead.

■ 16.6883, 19.3054,
28.4379

■ 16.6883, 19.3054,
28.4379

226.5611,
248.1296, 308.5310

■ 10.1064, 11.8912,
18.4141

■ 37.3370, 42.2495,
58.2143

■ 5.5324, 6.6696,
11.0752

■ 52.1344, 58.5482,
78.8040

■ 2.6008, 3.2563,
6.0026

■ 70.4012, 78.5771,
103.7527

■ 0.9464, 1.2670,
2.7779

■ 92.5025, 102.7207,
133.4791

■ 0.0000, 0.1154,
0.9824

118.8038,
131.3634, 168.4015

■ 0.0000, 0.0000,
0.0000

149.6705,

164.8895, 208.9386

185.4678,
203.6834, 255.5089

■ 16.6883, 19.3054,
28.4379

■ 16.6883, 19.3054,
28.4379

■ 14.9187, 17.6242,
28.2070

■ 18.7445, 21.1672,
28.6892

■ 13.4186, 16.1130,
27.9944

■ 21.0996, 23.2150,
28.9604

■ 12.1717, 14.7635,
27.7996

■ 23.7674, 25.4566,
29.2524

■ 11.1592, 13.5656,
27.6218

■ 26.7603, 27.8988,
29.5661

■ 10.3593, 12.5077,
27.4597

■ 30.0898, 30.5479,
29.9019

■ 9.7361, 11.5710,
27.3118

■ 33.7671, 33.4100,
30.2605

■ 9.5403, 11.2686,
27.2637

■ 37.8026, 36.4909,
30.6425

■ 42.2065, 39.7960,
31.0484

■ 46.9884, 43.3307,
31.4786

Harmonies

Analogous

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



15.8238, 19.3054, 24.5344



16.6883, 19.3054, 28.4379



18.0339, 19.3054, 30.3872

Triad

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



16.6883, 19.3054, 28.4379



21.3804, 19.3054, 21.9418



17.2093, 19.3054, 14.3053

Complementary

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



16.6883, 19.3054, 28.4379



18.0527, 16.5923, 11.9245

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.



18.6682, 19.3054, 13.8082



16.6883, 19.3054, 28.4379



21.1300, 19.3054, 17.8589

Square

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



16.6883, 19.3054, 28.4379



20.7834, 19.3054, 26.3201



20.1168, 19.3054, 15.0196



16.1129, 19.3054, 16.4845

Rectangle

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



16.6883, 19.3054, 28.4379



19.0441, 19.3054, 30.1494



20.1168, 19.3054, 15.0196



17.6714, 19.3054, 13.9495

Sweetspot

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



16.6889, 19.3062, 28.4383



39.6726, 43.0244, 51.3414



16.4260, 22.5345, 16.7772



8.7392, 9.5072, 11.4539



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



16.6889, 19.3062, 28.4383



26.8050, 31.5620, 49.8072



13.7790, 13.4864, 27.4684



5.4306, 5.8571, 6.8731



8.5819, 10.1499, 24.4839



0.1010, 0.1349, 0.2404

Inverse Universe

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



18.6427, 14.5959, 21.9142



30.8748, 22.3535, 36.0823



21.0817, 22.6504, 12.9342



5.5608, 5.4849, 6.4514



12.1349, 6.0110, 11.6275



0.1256, 0.0613, 0.1615

Previews

White Background



This preview shows how the XYZ color 16.6883, 19.3054, 28.4379 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 16.6883, 19.3054, 28.4379 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

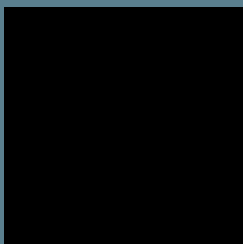
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

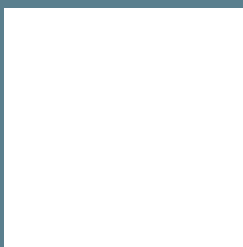
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.6883, 19.3054, 28.4379

Background



This preview shows how black text looks on a background with the XYZ color 16.6883, 19.3054, 28.4379.



This preview shows how white text looks on a background with the XYZ color 16.6883, 19.3054,

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

16.6883, 19.3054, 28.4379

Protanopia

18.7751, 19.1195, 26.7456

Deuteranopia

19.5385, 19.1081, 29.0440



Tritanopia

16.4264, 19.3972, 26.9230

Trichromacy



Original Color

16.6883, 19.3054, 28.4379

Protanomaly

17.9275, 19.2181, 27.1907

Deuteranomaly

18.2257, 18.9729, 28.6881

Tritanomaly

16.4992, 19.4263, 27.3061

Monochromacy



Original Color

16.6883, 19.3054, 28.4379

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

16.8525, 18.3952, 22.7411

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.6883, 19.3054, 28.4379 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(90, 127, 142) looks like.

```
.text, #text, p{  
  color:rgb(90, 127, 142)  
}
```

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(90, 127, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 127, 142) }
```

Border

The CSS property to change the border of an element to XYZ 16.6883, 19.3054, 28.4379 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(90, 127, 142) }
```


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

```
.border{ border-color:rgb(90, 127, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 127, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 127, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 127, 142);  
box-shadow:4px 4px 4px 4px rgb(90, 127,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 16.6883, 19.3054, 28.4379 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 127, 142) }
```

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

```
.background{ background-color: rgb(90, 127,  
142) }
```

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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