

Converting Colors

XYZ(16.1431, 19.0255, 25.5687)

Have a look what the booklet for
XYZ(16.1431, 19.0255, 25.5687)
contains.

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Color

**XYZ(16.1790, 19.1017,
25.7559)**

Conversions

Conversions Part 1	
Format	Color
Hex	5A7F87
RGB	90, 127, 135
RGB Percent	35%, 50%, 53%
CMY	0.6471, 0.5020, 0.4706
CMYK	0.33, 0.06, 0.00, 0.47
HSL	191°, 20%, 44%
HSV	191°, 33%, 53%
XYZ	16.1790, 19.1017, 25.7559
YIQ	116.8490, -24.6200, -5.3560

Conversions

Conversions Part 2

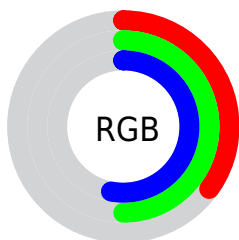
Format	Color
RYB	90, 110, 135
Decimal	5930887
CIELab	50.81, -10.85, -8.51
CIELCh	51, 13.791, 218.090
Yxy	19.1017, 0.2651, 0.3130
Android (android.graphics.Color)	4284120967 (0xFF5A7F87)
YUV	116.8490, 8.9484, -23.5466
Hunter-Lab	43.7055, -10.4071, -4.3461

Details

The XYZ color **16.1790, 19.1017, 25.7559** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **16.2050, 14.6246, 11.6420**, and the grayscale version is **16.8409, 17.7180, 19.2949**.

A 20% lighter version of the original color is **36.5537, 42.0241, 53.7618**, and **5.2785, 6.5761, 9.5854** is the 20% darker color. If you saturate the color by 10%, you get **14.6772, 17.8734, 25.5983**, and if you desaturate by 10%, it is **17.9278, 20.4693, 25.9280**.

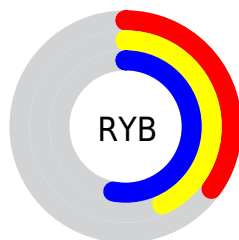
Distribution



Red (35%)

Green (50%)

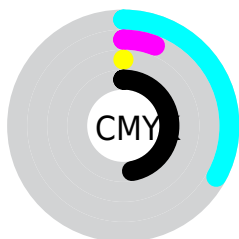
Blue (53%)



Red (35%)

Yellow (43%)

Blue (53%)

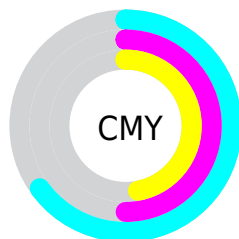


Cyan (33%)

Magenta (6%)

Yellow (0%)

Black (47%)



Cyan (65%)


Magenta (50%)


Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.1790, 19.1017, 25.7559 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 16.1790, 19.1017, 25.7559 by changing the saturation by 10% instead.


 16.1790, 19.1017,
25.7559


 16.1790, 19.1017,
25.7559


223.6453,
247.0096, 295.1490


 9.7426, 11.7438,
16.4170


 36.4636, 41.9059,
53.8601


 5.2896, 6.5695,
9.6622


 51.0425, 58.1209,
73.4625

 2.4546, 3.1943,
5.0729


 69.0663, 78.0572,
97.3232

 0.8724, 1.2340,
2.2306

 90.9002, 102.0989,
125.8606

 0.0000, 0.0892,
0.6919

116.9098,
130.6307, 159.4934

 0.0000, 0.0000,
0.0000

147.4602,

164.0368, 198.6400

182.9170,
202.7016, 243.7190

■ 16.1790, 19.1017,
25.7559

■ 16.1790, 19.1017,
25.7559

■ 14.6772, 17.8734,
25.5983

■ 17.9278, 20.4693,
25.9280

■ 13.4078, 16.7752,
25.4532

■ 19.9340, 21.9801,
26.1139

■ 12.3571, 15.8006,
25.3205

■ 22.2093, 23.6408,
26.3145

■ 11.5094, 14.9414,
25.1993

■ 24.7642, 25.4568,
26.5304

■ 10.8466, 14.1882,
25.0889

■ 27.6087, 27.4333,
26.7620

10.3471, 13.5298,
24.9881

30.7523, 29.5754,
27.0097

10.0583, 13.1194,
24.9241

34.2039, 31.8876,
27.2741

37.9722, 34.3745,
27.5556

42.0655, 37.0406,
27.8544

Harmonies

Analogous

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



15.6936, 19.1017, 21.8677



16.1790, 19.1017, 25.7559



17.1995, 19.1017, 28.5279

Triad

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



16.1790, 19.1017, 25.7559



20.6848, 19.1017, 23.7125



17.7910, 19.1017, 14.2444

Complementary

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



16.1790, 19.1017, 25.7559



16.2050, 14.6246, 11.6420

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.



19.1464, 19.1017, 14.6089



16.1790, 19.1017, 25.7559



20.8625, 19.1017, 19.7648

Square

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



16.1790, 19.1017, 25.7559



19.8128, 19.1017, 27.2496



20.2870, 19.1017, 16.5219



16.5935, 19.1017, 15.4555

Rectangle

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



16.1790, 19.1017, 25.7559



18.0688, 19.1017, 29.1940



20.2870, 19.1017, 16.5219



18.2427, 19.1017, 14.1899

Sweetspot

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



16.1796, 19.1025, 25.7563



36.9116, 40.2569, 46.8733



15.0619, 20.3744, 14.5711



8.4363, 9.2407, 10.8453



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



16.1796, 19.1025, 25.7563



26.8999, 32.5216, 45.9079



13.6416, 14.0265, 24.9104



4.7331, 5.1419, 5.9438



9.2835, 12.1148, 22.9858



0.0367, 0.0511, 0.0812

Inverse Universe

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



17.4791, 13.9960, 21.8598



29.6534, 22.1041, 37.5612



18.5540, 19.3224, 12.4250



4.8233, 4.7490, 5.6819



11.8640, 5.8099, 14.3880



0.0434, 0.0211, 0.0620

Previews

White Background



This preview shows how the XYZ color 16.1790, 19.1017, 25.7559 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 16.1790, 19.1017, 25.7559 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 16.1790, 19.1017, 25.7559

Background



This preview shows how black text looks on a background with the XYZ color 16.1790, 19.1017, 25.7559.



This preview shows how white text looks on a background with the XYZ color 16.1790, 19.1017,

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

16.1790, 19.1017, 25.7559

Protanopia

18.4915, 19.0377, 23.8191

Deuteranopia

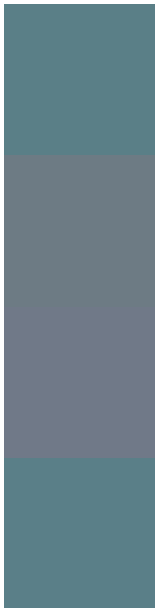
19.3341, 18.8887, 26.2938



Tritanopia

16.3212, 19.1585, 26.5047

Trichromacy



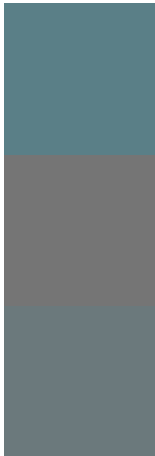
Original Color
16.1790, 19.1017, 25.7559

Protanomaly
17.5545, 19.0831, 24.5880

Deuteranomaly
17.9634, 18.8971, 25.9933

Tritanomaly
16.2498, 19.1300, 26.1286

Monochromacy



Original Color
16.1790, 19.1017, 25.7559

Achromatopsia
16.9083, 17.7888, 19.3720

Achromatomaly
16.5389, 18.2558, 21.7208

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.1790, 19.1017, 25.7559 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, 135) looks like.

```
.text, #text, p{  
    color:rgb(90, 127, 135)  
}
```

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, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 127, 135) }
```

Border

The CSS property to change the border of an element to XYZ 16.1790, 19.1017, 25.7559 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, 135) }
```


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

```
.border{ border-color:rgb(90, 127, 135) }
```

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, 135) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 127, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 127, 135);  
box-shadow:4px 4px 4px 4px rgb(90, 127,  
135) }
```

Background

The CSS property to change the background color of an element to XYZ 16.1790, 19.1017, 25.7559 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, 135) }
```

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

```
.background{ background-color: rgb(90, 127,  
135) }
```

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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