

Converting Colors

XYZ(16.5383, 19.0658, 35.8217)

Have a look what the booklet for
XYZ(16.5383, 19.0658, 35.8217)
contains.

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Color

**XYZ(16.5199, 19.0597,
35.6091)**

Conversions

Conversions Part 1

Format	Color
Hex	487F9F
RGB	72, 127, 159
RGB Percent	28%, 50%, 62%
CMY	0.7176, 0.5020, 0.3765
CMYK	0.55, 0.20, 0.00, 0.38
HSL	202°, 38%, 45%
HSV	202°, 55%, 62%
XYZ	16.5199, 19.0597, 35.6091
YIQ	114.2030, -43.0520, -1.7080

Conversions

Conversions Part 2

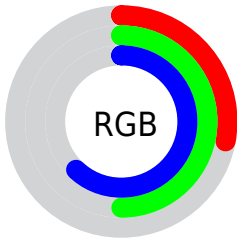
Format	Color
R_{YB}	72, 106, 159
Decimal	4751263
CIE Lab	50.76, -8.71, -22.70
CIE LCh	51, 24.310, 249.005
Yxy	19.0597, 0.2321, 0.2677
Android (android.graphics.Color)	4282941343 (0xFF487F9F)
YUV	114.2030, 22.0849, -37.0120
Hunter-Lab	43.6574, -8.8563, -17.7996

Details

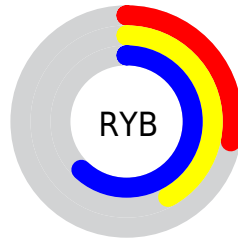
The XYZ color **16.5199, 19.0597, 35.6091** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **20.4187, 17.7402, 8.4797**, and the grayscale version is **16.0008, 16.8341, 18.3323**.

A 20% lighter version of the original color is **37.2113, 42.0096, 69.7657**, and **5.4283, 6.5361, 14.8854** is the 20% darker color. If you saturate the color by 10%, you get **14.7509, 17.0591, 35.3165**, and if you desaturate by 10%, it is **18.6406, 21.3074, 35.9315**.

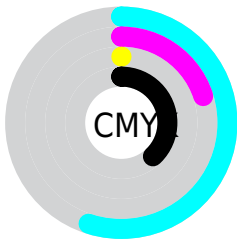
Distribution



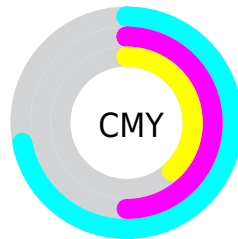
- Red (28%)
- Green (50%)
- Blue (62%)



- Red (28%)
- Yellow (42%)
- Blue (62%)



- Cyan (55%)
- Magenta (20%)
- Yellow (0%)
- Black (38%)



- Cyan (72%)
- Magenta (50%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.5199, 19.0597, 35.6091 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 16.5199, 19.0597, 35.6091 by changing the saturation by 10% instead.

■ 16.5199, 19.0597,
35.6091

■ 16.5199, 19.0597,
35.6091

■ 225.6009,
246.7781, 342.2343

■ 9.9860, 11.7134,
23.8451

■ 37.0487, 41.8350,
69.5905

■ 5.4518, 6.5489,
15.0077

■ 51.7742, 58.0327,
92.6451

■ 2.5522, 3.1816,
8.6781

■ 69.9610, 77.9498,
120.3003

■ 0.9217, 1.2273,
4.4379

■ 91.9743, 101.9705,
152.9746

■ 0.0000, 0.0838,
1.8685

■ 118.1796,
130.4793, 191.0866

■ 0.0000, 0.0000,
0.4726

148.9423,

■ 0.0000, 0.0000,

163.8606, 235.0549

0.0000

184.6276,
202.4987, 285.2980

■ 16.5199, 19.0597,
35.6091

■ 16.5199, 19.0597,
35.6091

■ 14.7509, 17.0591,
35.3165

■ 18.6406, 21.3074,
35.9315

■ 13.3067, 15.2897,
35.0511

■ 21.1334, 23.8127,
36.2837

■ 12.1596, 13.7362,
34.8117

■ 24.0192, 26.5878,
36.6673

■ 11.2743, 12.3795,
34.5965

■ 27.3169, 29.6435,
37.0833

■ 10.8651, 11.7172,
34.4903

■ 31.0439, 32.9897,
37.5327

■ 35.2166, 36.6360,
38.0166

■ 39.8507, 40.5912,
38.5358

■ 44.9610, 44.8639,
39.0912

■ 50.5613, 49.4623,
39.6836

Harmonies

Analogous

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



14.7768, 19.0597, 30.1777



16.5199, 19.0597, 35.6091



18.8438, 19.0597, 36.6378

Triad

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



16.5199, 19.0597, 35.6091



23.0394, 19.0597, 18.7620



15.3768, 19.0597, 12.1198

Complementary

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



16.5199, 19.0597, 35.6091



20.4187, 17.7402, 8.4797

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.



17.4065, 19.0597, 10.2862



16.5199, 19.0597, 35.6091



21.9230, 19.0597, 13.5281

Square

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



16.5199, 19.0597, 35.6091



22.7493, 19.0597, 25.8296



19.8110, 19.0597, 10.7379



14.1583, 19.0597, 16.3890

Rectangle

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



16.5199, 19.0597, 35.6091



20.4344, 19.0597, 34.5081



19.8110, 19.0597, 10.7379



15.9793, 19.0597, 11.2460

Sweetspot

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



16.5205, 19.0604, 35.6096



47.9320, 52.1840, 66.2897



17.5649, 27.1719, 17.3899



10.5418, 11.5218, 14.9120



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



16.5205, 19.0604, 35.6096



25.7068, 29.7077, 63.1227



12.0706, 10.1604, 34.1262



6.6165, 7.0989, 8.4282



8.6223, 9.3361, 27.2548



0.1934, 0.2453, 0.5004

Inverse Universe

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



20.4468, 13.5387, 21.6149



33.8463, 20.0236, 33.7150



25.9643, 28.8314, 10.3282



6.8005, 6.7131, 7.8008



13.1503, 6.5647, 10.3085



0.2549, 0.1253, 0.2885

Previews

White Background



This preview shows how the XYZ color 16.5199, 19.0597, 35.6091 looks on a white background.

Color Contrast Check

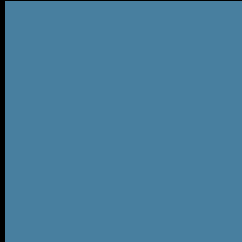
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.5199, 19.0597, 35.6091 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

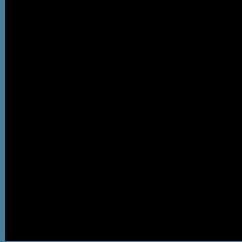
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.5199, 19.0597, 35.6091

Background



This preview shows how black text looks on a background with the XYZ color 16.5199, 19.0597, 35.6091.

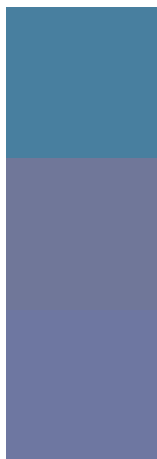


This preview shows how white text looks on a background with the XYZ color 16.5199, 19.0597,

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

16.5199, 19.0597, 35.6091

Protanopia

19.0287, 18.9383, 32.7895

Deuteranopia

19.4603, 19.0819, 36.3757



Tritanopia

14.9703, 19.0122, 28.0800

Trichromacy



Original Color

16.5199, 19.0597, 35.6091

Protanomaly

17.8057, 18.8270, 33.7059

Deuteranomaly

18.1286, 18.9439, 35.9588

Tritanomaly

15.5794, 19.0676, 30.8763

Monochromacy



Original Color

16.5199, 19.0597, 35.6091

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

15.7717, 17.4580, 23.6576

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.5199, 19.0597, 35.6091 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(72, 127, 159)` looks like.

```
.text, #text, p{  
    color:rgb(72, 127, 159)  
}
```

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(72, 127, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 127, 159) }
```

Border

The CSS property to change the border of an element to XYZ 16.5199, 19.0597, 35.6091 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(72, 127, 159) }
```


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

```
.border{ border-color:rgb(72, 127, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 127, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 127, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 127, 159);  
box-shadow:4px 4px 4px 4px rgb(72, 127,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 16.5199, 19.0597, 35.6091 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 127, 159) }
```

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

```
.background{ background-color: rgb(72, 127,  
159) }
```

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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