

Converting Colors

XYZ(16.7935, 19.7073, 33.9446)

Have a look what the booklet for
XYZ(16.7935, 19.7073, 33.9446)
contains.

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Color

**XYZ(16.7471, 19.6036,
33.9115)**

Conversions

Conversions Part 1

Format	Color
Hex	4C819B
RGB	76, 129, 155
RGB Percent	30%, 51%, 61%
CMY	0.7019, 0.4941, 0.3922
CMYK	0.51, 0.17, 0.00, 0.39
HSL	200°, 34%, 45%
HSV	200°, 51%, 61%
XYZ	16.7471, 19.6036, 33.9115
YIQ	116.1170, -39.9340, -3.1500

Conversions

Conversions Part 2

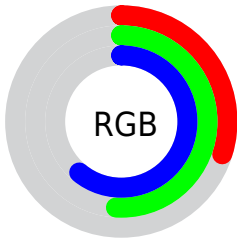
Format	Color
R_{YB}	76, 108, 155
Decimal	5013915
CIE _{Lab}	51.39, -10.15, -19.39
CIE _{LCh}	51, 21.881, 242.369
Yxy	19.6036, 0.2384, 0.2790
Android (android.graphics.Color)	4283203995 (0xFF4C819B)
YUV	116.1170, 19.1693, -35.1826
Hunter-Lab	44.2760, -9.9664, -14.4178

Details

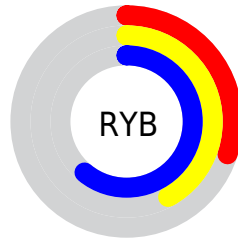
The XYZ color **16.7471, 19.6036, 33.9115** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **19.5738, 16.9934, 9.0864**, and the grayscale version is **16.5887, 17.4526, 19.0059**.

A 20% lighter version of the original color is **37.5667, 42.8549, 67.2646**, and **5.5810, 6.8470, 14.1241** is the 20% darker color. If you saturate the color by 10%, you get **15.0057, 17.7335, 33.6427**, and if you desaturate by 10%, it is **18.8200, 21.6952, 34.2063**.

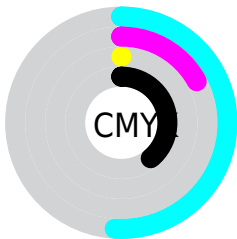
Distribution



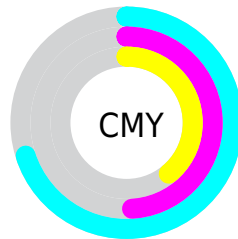
- Red (30%)
- Green (51%)
- Blue (61%)



- Red (30%)
- Yellow (42%)
- Blue (61%)



- Cyan (51%)
- Magenta (17%)
- Yellow (0%)
- Black (39%)



- Cyan (70%)
- Magenta (49%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.7471, 19.6036, 33.9115 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 16.7471, 19.6036, 33.9115 by changing the saturation by 10% instead.

■ 16.7471, 19.6036,
33.9115

■ 16.7471, 19.6036,
33.9115

■ 226.8955,
249.7610, 334.4944

■ 10.1485, 12.1072,
22.5488

■ 37.4375, 42.7516,
66.9283

■ 5.5606, 6.8167,
14.0585

■ 52.2601, 59.1720,
89.4196

■ 2.6179, 3.3478,
8.0222

■ 70.5546, 79.3359,
116.4574

■ 0.9551, 1.3159,
4.0212

■ 92.6866, 103.6276,
148.4604

■ 0.0000, 0.1534,
1.6370

■ 119.0213,
132.4316, 185.8470

■ 0.0000, 0.0000,
0.3170

149.9241,

■ 0.0000, 0.0000,

166.1322, 229.0358

0.0000

185.7604,
205.1139, 278.4455

■ 16.7471, 19.6036,
33.9115

■ 16.7471, 19.6036,
33.9115

■ 15.0057, 17.7335,
33.6427

■ 18.8200, 21.6952,
34.2063

■ 13.5718, 16.0707,
33.3973

■ 21.2425, 24.0171,
34.5268

■ 12.4209, 14.6020,
33.1745

■ 24.0335, 26.5802,
34.8744

■ 11.5234, 13.3117,
32.9727

■ 27.2101, 29.3939,
35.2501

■ 10.8657, 12.2651,
32.8054

■ 30.7881, 32.4672,
35.6547

■ 34.7824, 35.8082,
36.0891

■ 39.2073, 39.4250,
36.5540

■ 44.0761, 43.3251,
37.0502

■ 49.4017, 47.5158,
37.5784

Harmonies

Analogous

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



15.2974, 19.6036, 28.4744



16.7471, 19.6036, 33.9115



18.8072, 19.6036, 35.8043

Triad

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



16.7471, 19.6036, 33.9115



23.1647, 19.6036, 20.8504



16.4679, 19.6036, 12.6933

Complementary

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



16.7471, 19.6036, 33.9115



19.5738, 16.9934, 9.0864

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.



18.4591, 19.6036, 11.4205



16.7471, 19.6036, 33.9115



22.4204, 19.6036, 15.5176

Square

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



16.7471, 19.6036, 33.9115



22.6179, 19.6036, 27.4409



20.6546, 19.6036, 12.3440



15.1453, 19.6036, 16.2261

Rectangle

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



16.7471, 19.6036, 33.9115



20.2816, 19.6036, 34.5526



20.6546, 19.6036, 12.3440



17.0756, 19.6036, 12.0221

Sweetspot

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



16.7477, 19.6043, 33.9120



46.1821, 50.4047, 62.8313



17.0521, 25.9195, 16.4210



10.2013, 11.1856, 14.1917



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.



16.7477, 19.6043, 33.9120



26.5304, 31.3747, 60.1939



12.5944, 11.2977, 32.5275



6.2132, 6.6837, 7.8916



8.7631, 9.9229, 26.3611



0.1639, 0.2141, 0.4051

Inverse Universe

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



20.0649, 13.7229, 22.3610



33.4071, 20.5830, 35.9343



24.2762, 26.3983, 10.6539



6.3747, 6.2890, 7.3534



12.8820, 6.4070, 11.1694



0.2092, 0.1024, 0.2544

Previews

White Background



This preview shows how the XYZ color 16.7471, 19.6036, 33.9115 looks on a white background.

Color Contrast Check

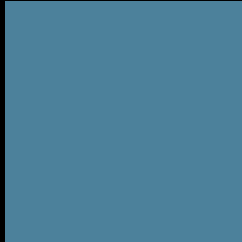
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.7471, 19.6036, 33.9115 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

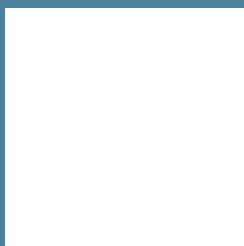
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.7471, 19.6036, 33.9115

Background



This preview shows how black text looks on a background with the XYZ color 16.7471, 19.6036, 33.9115.



This preview shows how white text looks on a background with the XYZ color 16.7471, 19.6036,

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

16.7471, 19.6036, 33.9115

Protanopia

19.3324, 19.4895, 31.1767

Deuteranopia

19.8725, 19.5121, 34.6171



Tritanopia

15.6713, 19.5633, 28.5413

Trichromacy



Original Color

16.7471, 19.6036, 33.9115

Protanomaly

18.1604, 19.4164, 32.0687

Deuteranomaly

18.4505, 19.3329, 34.2117

Tritanomaly

15.9967, 19.4883, 30.5223

Monochromacy



Original Color

16.7471, 19.6036, 33.9115

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

16.2335, 18.0532, 23.7481

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7471, 19.6036, 33.9115 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(76, 129, 155)` looks like.

```
.text, #text, p{  
    color:rgb(76, 129, 155)  
}
```

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(76, 129, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 129, 155) }
```

Border

The CSS property to change the border of an element to XYZ 16.7471, 19.6036, 33.9115 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(76, 129, 155) }
```


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

```
.border{ border-color:rgb(76, 129, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 129, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 129, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 129, 155);  
box-shadow:4px 4px 4px 4px rgb(76, 129,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 16.7471, 19.6036, 33.9115 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 129, 155) }
```

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

```
.background{ background-color: rgb(76, 129,  
155) }
```

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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