

Converting Colors

XYZ(16.5911, 19.4986, 33.0264)

Have a look what the booklet for
XYZ(16.5911, 19.4986, 33.0264)
contains.

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Color

**XYZ(16.6606, 19.5782,
33.0379)**

Conversions

Conversions Part 1

Format	Color
Hex	4D8199
RGB	77, 129, 153
RGB Percent	30%, 51%, 60%
CMY	0.6980, 0.4941, 0.4000
CMYK	0.50, 0.16, 0.00, 0.40
HSL	199°, 33%, 45%
HSV	199°, 50%, 60%
XYZ	16.6606, 19.5782, 33.0379
YIQ	116.1880, -38.6960, -3.5600

Conversions

Conversions Part 2

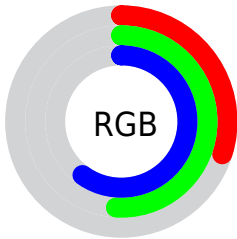
Format	Color
R_{YB}	77, 108, 153
Decimal	5079449
CIE _{Lab}	51.36, -10.51, -18.26
CIE _{LCh}	51, 21.068, 240.088
Yxy	19.5782, 0.2405, 0.2826
Android (android.graphics.Color)	4283269529 (0xFF4D8199)
YUV	116.1880, 18.1483, -34.3679
Hunter-Lab	44.2473, -10.2214, -13.2967

Details

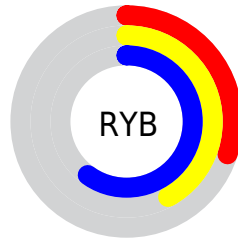
The XYZ color **16.6606, 19.5782, 33.0379** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **19.1306, 16.6161, 9.2207**, and the grayscale version is **16.6132, 17.4784, 19.0340**.

A 20% lighter version of the original color is **37.1964, 42.7067, 65.3142**, and **5.5355, 6.8351, 13.5979** is the 20% darker color. If you saturate the color by 10%, you get **14.9470, 17.7726, 32.7801**, and if you desaturate by 10%, it is **18.6960, 21.5952, 33.3203**.

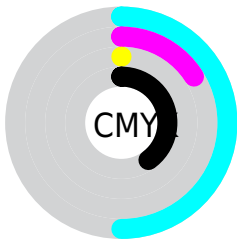
Distribution



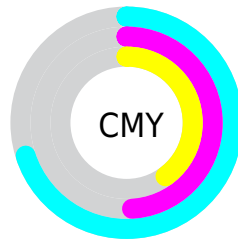
- Red (30%)
- Green (51%)
- Blue (60%)



- Red (30%)
- Yellow (42%)
- Blue (60%)



- Cyan (50%)
- Magenta (16%)
- Yellow (0%)
- Black (40%)



- Cyan (70%)
- Magenta (49%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.6606, 19.5782, 33.0379 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 16.6606, 19.5782, 33.0379 by changing the saturation by 10% instead.

■ 16.6606, 19.5782,
33.0379

■ 16.6606, 19.5782,
33.0379

226.4034,
249.6224, 330.4577

■ 10.0866, 12.0888,
21.8841

■ 37.2896, 42.7089,
65.5514

■ 5.5191, 6.8042,
13.5743

■ 52.0752, 59.1189,
87.7482

■ 2.5928, 3.3399,
7.6898

■ 70.3288, 79.2713,
114.4631

■ 0.9423, 1.3117,
3.8122

■ 92.4158, 103.5505,
146.1146

■ 0.0000, 0.1502,
1.5229

■ 118.7013,
132.3408, 183.1213

■ 0.0000, 0.0000,
0.2349

149.5509,

■ 0.0000, 0.0000,

166.0266, 225.9017

0.0000

185.3298,
204.9924, 274.8743

■ 16.6606, 19.5782,
33.0379

■ 16.6606, 19.5782,
33.0379

■ 14.9470, 17.7726,
32.7801

■ 18.6960, 21.5952,
33.3203

■ 13.5321, 16.1647,
32.5443

■ 21.0703, 23.8317,
33.6269

■ 12.3928, 14.7423,
32.3298

■ 23.8017, 26.2982,
33.9590

■ 11.5012, 13.4904,
32.1351

■ 26.9063, 29.0035,
34.3175

■ 10.7919, 12.3747,
31.9572

■ 30.3994, 31.9562,
34.7033

■ 10.7695, 12.3392,
31.9515

■ 34.2954, 35.1640,
35.1172

■ 38.6077, 38.6347,
35.5598

■ 43.3493, 42.3752,
36.0319

■ 48.5326, 46.3926,
36.5341

Harmonies

Analogous

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



15.3188, 19.5782, 27.6787



16.6606, 19.5782, 33.0379



18.6147, 19.5782, 35.1511

Triad

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



16.6606, 19.5782, 33.0379



22.9606, 19.5782, 21.2995



16.6506, 19.5782, 12.7721

Complementary

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



16.6606, 19.5782, 33.0379



19.1306, 16.6161, 9.2207

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.



18.6023, 19.5782, 11.6930



16.6606, 19.5782, 33.0379



22.3383, 19.5782, 16.0140

Square

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



16.6606, 19.5782, 33.0379



22.3454, 19.5782, 27.6419



20.7026, 19.5782, 12.7594



15.3133, 19.5782, 16.0395

Rectangle

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



16.6606, 19.5782, 33.0379



20.0348, 19.5782, 34.1752



20.7026, 19.5782, 12.7594



17.2515, 19.5782, 12.1723

Sweetspot

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



16.6612, 19.5789, 33.0384



44.9740, 49.1625, 61.0909



16.7429, 25.2770, 16.0031



9.6990, 10.6525, 13.4624



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



16.6612, 19.5789, 33.0384



26.3508, 31.3700, 58.6382



12.6554, 11.5674, 31.7031



6.2200, 6.6973, 7.8939



8.9314, 10.2595, 26.4173



0.1657, 0.2178, 0.4057

Inverse Universe

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



19.7538, 13.6657, 22.3662



32.8152, 20.3823, 36.0220



23.5367, 25.4283, 10.6895



6.3782, 6.2904, 7.3715



12.9669, 6.4410, 11.6168



0.2101, 0.1028, 0.2593

Previews

White Background



This preview shows how the XYZ color 16.6606, 19.5782, 33.0379 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 16.6606, 19.5782, 33.0379 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

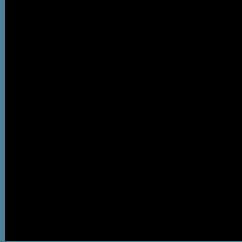
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.6606, 19.5782, 33.0379

Background



This preview shows how black text looks on a background with the XYZ color 16.6606, 19.5782, 33.0379.



This preview shows how white text looks on a background with the XYZ color 16.6606, 19.5782,

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

16.6606, 19.5782, 33.0379

Protanopia

19.3063, 19.4943, 30.3490

Deuteranopia

19.8353, 19.5125, 33.7312



Tritanopia

15.7464, 19.6021, 28.5448

Trichromacy



Original Color

16.6606, 19.5782, 33.0379

Protanomaly

18.1120, 19.4100, 31.2257

Deuteranomaly

18.3952, 19.3238, 33.3322

Tritanomaly

15.9950, 19.4964, 30.1143

Monochromacy



Original Color

16.6606, 19.5782, 33.0379

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

16.2793, 18.0845, 23.4015

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.6606, 19.5782, 33.0379 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(77, 129, 153)` looks like.

```
.text, #text, p{  
    color:rgb(77, 129, 153)  
}
```

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(77, 129, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 129, 153) }
```

Border

The CSS property to change the border of an element to XYZ 16.6606, 19.5782, 33.0379 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(77, 129, 153) }
```


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

```
.border{ border-color:rgb(77, 129, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 129, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 129, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 129, 153);  
box-shadow:4px 4px 4px 4px rgb(77, 129,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 16.6606, 19.5782, 33.0379 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 129, 153) }
```

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

```
.background{ background-color: rgb(77, 129,  
153) }
```

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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