

Converting Colors

XYZ(16.1214, 18.5881, 32.8103)

Have a look what the booklet for
XYZ(16.1214, 18.5881, 32.8103)
contains.

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Color

**XYZ(16.0639, 18.5036,
32.8619)**

Conversions

Conversions Part 1

Format	Color
Hex	4C7D99
RGB	76, 125, 153
RGB Percent	30%, 49%, 60%
CMY	0.7019, 0.5098, 0.4000
CMYK	0.50, 0.18, 0.00, 0.40
HSL	202°, 34%, 45%
HSV	202°, 50%, 60%
XYZ	16.0639, 18.5036, 32.8619
YIQ	113.5410, -38.1920, -1.6800

Conversions

Conversions Part 2

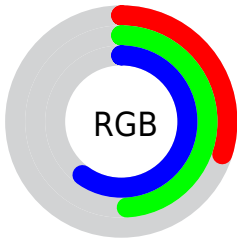
Format	Color
R_{YB}	76, 106, 153
Decimal	5012889
CIE _{Lab}	50.10, -8.48, -20.19
CIE _{LCh}	50, 21.894, 247.226
Yxy	18.5036, 0.2382, 0.2744
Android (android.graphics.Color)	4283202969 (0xFF4C7D99)
YUV	113.5410, 19.4533, -32.9235
Hunter-Lab	43.0158, -8.6183, -15.1835

Details

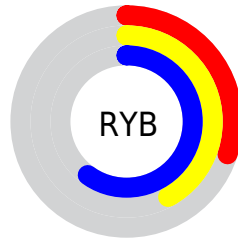
The XYZ color **16.0639, 18.5036, 32.8619** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **19.3923, 17.1955, 9.1352**, and the grayscale version is **15.8095, 16.6328, 18.1131**.

A 20% lighter version of the original color is **36.2361, 41.0129, 65.0379**, and **5.2322, 6.2568, 13.5023** is the 20% darker color. If you saturate the color by 10%, you get **14.3052, 16.5808, 32.5838**, and if you desaturate by 10%, it is **18.1523, 20.6557, 33.1676**.

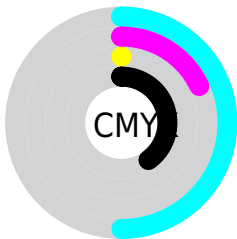
Distribution



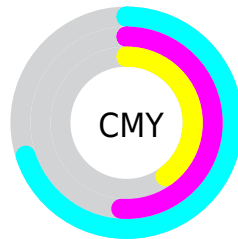
- Red (30%)
- Green (49%)
- Blue (60%)



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



- Cyan (50%)
- Magenta (18%)
- Yellow (0%)
- Black (40%)



- Cyan (70%)
- Magenta (51%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.0639, 18.5036, 32.8619 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 16.0639, 18.5036, 32.8619 by changing the saturation by 10% instead.

■ 16.0639, 18.5036,
32.8619

■ 16.0639, 18.5036,
32.8619

222.9815,
243.6945, 329.6399

■ 9.6605, 11.3121,
21.7504

■ 36.2657, 40.8936,
65.2734

■ 5.2350, 6.2772,
13.4771

■ 50.7947, 56.8609,
87.4105

■ 2.4220, 3.0144,
7.6233

■ 68.7631, 76.5223,
114.0598

■ 0.8561, 1.1392,
3.7706

■ 90.5361, 100.2622,
145.6400

■ 0.0000, 0.0112,
1.5003

■ 116.4791,
128.4650, 182.5696

■ 0.0000, 0.0000,
0.2182

146.9574,

■ 0.0000, 0.0000,

161.5150, 225.2671

0.0000

182.3364,
199.7967, 274.1510

■ 16.0639, 18.5036,
32.8619

■ 16.0639, 18.5036,
32.8619

■ 14.3052, 16.5808,
32.5838

■ 18.1523, 20.6557,
33.1676

■ 12.8530, 14.8733,
32.3308

■ 20.5882, 23.0460,
33.5006

■ 11.6837, 13.3683,
32.1019

■ 23.3897, 25.6853,
33.8623

■ 10.7688, 12.0501,
31.8957

■ 26.5736, 28.5830,
34.2538

■ 10.0582, 10.9167,
31.7144

■ 30.1552, 31.7478,
34.6759

■ 34.1492, 35.1883,
35.1295

■ 38.5693, 38.9123,
35.6154

■ 43.4287, 42.9274,
36.1342

■ 48.7400, 47.2410,
36.6869

Harmonies

Analogous

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



14.5523, 18.5036, 28.0198



16.0639, 18.5036, 32.8619



18.1020, 18.5036, 34.0014

Triad

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



16.0639, 18.5036, 32.8619



21.9237, 18.5036, 18.7217



15.2466, 18.5036, 12.2438

Complementary

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



16.0639, 18.5036, 32.8619



19.3923, 17.1955, 9.1352

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.



17.0821, 18.5036, 10.6839



16.0639, 18.5036, 32.8619



21.0170, 18.5036, 13.9075

Square

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



16.0639, 18.5036, 32.8619



21.5965, 18.5036, 24.9846



19.2037, 18.5036, 11.2255



14.1074, 18.5036, 15.9785

Rectangle

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



16.0639, 18.5036, 32.8619



19.5080, 18.5036, 32.3365



19.2037, 18.5036, 11.2255



15.7967, 18.5036, 11.4856

Sweetspot

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



16.0645, 18.5043, 32.8623



44.6674, 48.5492, 60.9887



16.8180, 25.2977, 16.8162



9.6234, 10.5014, 13.4373



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.



16.0645, 18.5043, 32.8623



25.3737, 29.4158, 58.3125



12.1839, 10.7430, 31.5688



6.1956, 6.6485, 7.8857



8.3453, 9.0872, 26.2219



0.1591, 0.2045, 0.4035

Inverse Universe

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



19.4235, 13.4226, 20.9697



32.3220, 20.1850, 33.4249



24.0332, 26.4774, 10.6822



6.3658, 6.2855, 7.3066



12.6711, 6.3227, 10.0588



0.2068, 0.1015, 0.2417

Previews

White Background



This preview shows how the XYZ color 16.0639, 18.5036, 32.8619 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 16.0639, 18.5036, 32.8619 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

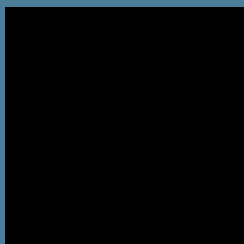
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

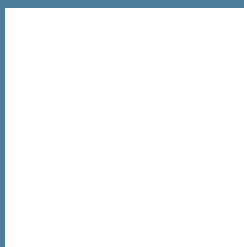
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.0639, 18.5036, 32.8619

Background



This preview shows how black text looks on a background with the XYZ color 16.0639, 18.5036, 32.8619.



This preview shows how white text looks on a background with the XYZ color 16.0639, 18.5036,

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

16.0639, 18.5036, 32.8619

Protanopia

18.3887, 18.3054, 30.5811

Deuteranopia

18.8332, 18.4686, 33.5825



Tritanopia

14.9051, 18.6129, 26.8518

Trichromacy



Original Color

16.0639, 18.5036, 32.8619

Protanomaly

17.3671, 18.2876, 31.4687

Deuteranomaly

17.5862, 18.3627, 33.1893

Tritanomaly

15.2950, 18.5784, 28.7665

Monochromacy



Original Color

16.0639, 18.5036, 32.8619

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

15.6302, 17.2247, 22.9230

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.0639, 18.5036, 32.8619 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, 125, 153)` looks like.

```
.text, #text, p{  
    color:rgb(76, 125, 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(76, 125, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 125, 153) }
```

Border

The CSS property to change the border of an element to XYZ 16.0639, 18.5036, 32.8619 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, 125, 153) }
```


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

```
.border{ border-color:rgb(76, 125, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 125, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 125, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 125, 153);  
box-shadow:4px 4px 4px 4px rgb(76, 125,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 16.0639, 18.5036, 32.8619 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 125, 153) }
```

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

```
.background{ background-color: rgb(76, 125,  
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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