

Converting Colors

XYZ(16.5499, 15.5154, 51.1707)

Have a look what the booklet for
XYZ(16.5499, 15.5154, 51.1707)
contains.

XYZ(16.6175, 15.5984, 51.4252)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(16.6175, 15.5984,
51.4252)**

Conversions

Conversions Part 1

Format	Color
Hex	3A6DBF
RGB	58, 109, 191
RGB Percent	23%, 43%, 75%
CMY	0.7725, 0.5725, 0.2510
CMYK	0.70, 0.43, 0.00, 0.25
HSL	217°, 53%, 49%
HSV	217°, 70%, 75%
XYZ	16.6175, 15.5984, 51.4252
YIQ	103.0990, -56.7180, 14.6900

Conversions

Conversions Part 2

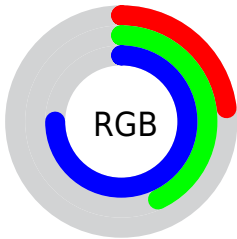
Format	Color
R_{YB}	58, 95, 191
Decimal	3829183
CIE _{Lab}	46.44, 10.43, -48.09
CIE _{LCh}	46, 49.211, 282.240
Yxy	15.5984, 0.1987, 0.1865
Android (android.graphics.Color)	4282019263 (0xFF3A6DBF)
YUV	103.0990, 43.3352, -39.5518
Hunter-Lab	39.4948, 5.9882, -49.5537

Details

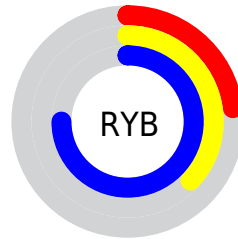
The XYZ color **16.6175, 15.5984, 51.4252** is a dark color, and the websafe version is hex **0066CC**. A complement of this color would be **31.6291, 30.1403, 8.1546**, and the grayscale version is **12.8188, 13.4864, 14.6867**.

A 20% lighter version of the original color is **37.2598, 35.9120, 93.7748**, and **6.2380, 5.2514, 24.3518** is the 20% darker color. If you saturate the color by 10%, you get **14.5327, 12.7821, 50.9918**, and if you desaturate by 10%, it is **19.2837, 18.9646, 51.9348**.

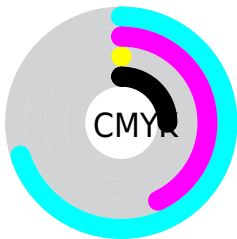
Distribution



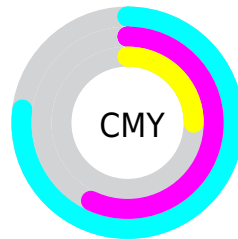
- Red (23%)
- Green (43%)
- Blue (75%)



- Red (23%)
- Yellow (37%)
- Blue (75%)



- Cyan (70%)
- Magenta (43%)
- Yellow (0%)
- Black (25%)



- Cyan (77%)
- Magenta (57%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.6175, 15.5984, 51.4252 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 16.6175, 15.5984, 51.4252 by changing the saturation by 10% instead.

■ 16.6175, 15.5984,
51.4252

■ 16.6175, 15.5984,
51.4252

226.1579,
226.9602, 409.1071

■ 10.0558, 9.2404,
36.1680

■ 37.2158, 35.8996,
93.7009

■ 5.4985, 4.8983,
24.2733

■ 51.9831, 50.6116,
121.5565

■ 2.5803, 2.1877,
15.3224

■ 70.2162, 68.8771,
154.4487

■ 0.9359, 0.7133,
8.8968

■ 92.2806, 91.0804,
192.7960

■ 0.0000, 0.0000,
4.5781

■ 118.5417,
117.6060, 237.0170

■ 0.0000, 0.0000,
1.9475

149.3646,

■ 0.0000, 0.0000,

148.8382, 287.5301

0.5227

185.1149,
185.1614, 344.7540

■ 0.0000, 0.0000,
0.0000

■ 16.6175, 15.5984,
51.4252

■ 16.6175, 15.5984,
51.4252

■ 14.5327, 12.7821,
50.9918

■ 19.2837, 18.9646,
51.9348

■ 12.9725, 10.4761,
50.6290

■ 22.5764, 22.9129,
52.5233

■ 11.8398, 8.6200,
50.3304

■ 26.5382, 27.4742,
53.1949

■ 11.8021, 8.5577,
50.3204

■ 31.2072, 32.6765,
53.9530

■ 36.6182, 38.5458,
54.8007

■ 42.8038, 45.1067,
55.7411

■ 49.7946, 52.3824,
56.7770

■ 57.6194, 60.3949,
57.9111

■ 66.3055, 69.1651,
59.1461

Harmonies

Analogous

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



12.4810, 15.5984, 50.2196



16.6175, 15.5984, 51.4252



20.9919, 15.5984, 40.7193

Triad

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



16.6175, 15.5984, 51.4252



21.6980, 15.5984, 5.6459



8.3515, 15.5984, 10.8243

Complementary

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



16.6175, 15.5984, 51.4252



31.6291, 30.1403, 8.1546

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.



10.0035, 15.5984, 4.9184



16.6175, 15.5984, 51.4252



17.4473, 15.5984, 3.0583

Square

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



16.6175, 15.5984, 51.4252



24.2776, 15.5984, 12.5096



13.1678, 15.5984, 2.8769



8.2140, 15.5984, 22.4153

Rectangle

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



16.6175, 15.5984, 51.4252



23.2490, 15.5984, 30.3052



13.1678, 15.5984, 2.8769



8.7312, 15.5984, 8.2819

Sweetspot

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



16.6182, 15.5989, 51.4256



63.8363, 67.1590, 97.8776



24.9495, 39.9909, 30.3742



13.4073, 14.0882, 21.3979



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



16.6182, 15.5989, 51.4256



24.3270, 20.4312, 90.9406



13.5386, 8.1397, 50.1482



9.3083, 9.8090, 12.0749



7.8287, 5.7692, 33.0938



0.3703, 0.3533, 1.3175

Inverse Universe

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



25.7598, 15.2075, 16.0459



42.5703, 22.6648, 19.6603



37.6865, 46.9971, 11.0891



9.6775, 9.5953, 10.6906



14.9523, 7.6121, 5.0426



0.6178, 0.3110, 0.3668

Previews

White Background



This preview shows how the XYZ color 16.6175, 15.5984, 51.4252 looks on a white 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

Black Background



This preview shows how the XYZ color 16.6175, 15.5984, 51.4252 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

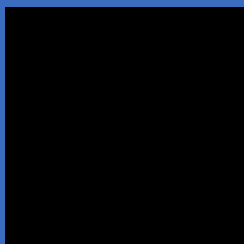
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

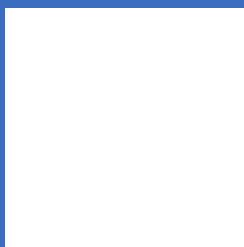
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.6175, 15.5984, 51.4252

Background



This preview shows how black text looks on a background with the XYZ color 16.6175, 15.5984, 51.4252.



This preview shows how white text looks on a background with the XYZ color 16.6175, 15.5984,

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

16.6175, 15.5984, 51.4252

Protanopia

17.1907, 15.6060, 50.2503

Deuteranopia

16.1271, 15.6659, 51.4641



Tritanopia

11.0563, 15.5578, 23.8930

Trichromacy



Original Color

16.6175, 15.5984, 51.4252

Protanomaly

17.0407, 15.6718, 50.8420

Deuteranomaly

16.2465, 15.5664, 51.4385

Tritanomaly

12.4203, 15.1819, 32.4128

Monochromacy



Original Color

16.6175, 15.5984, 51.4252

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

13.3552, 13.8787, 24.8966

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.6175, 15.5984, 51.4252 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(58, 109, 191)` looks like.

```
.text, #text, p{  
    color:rgb(58, 109, 191)  
}
```

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(58, 109, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 109, 191) }
```

Border

The CSS property to change the border of an element to XYZ 16.6175, 15.5984, 51.4252 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(58, 109, 191) }
```


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

```
.border{ border-color:rgb(58, 109, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 109, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 109, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 109, 191);  
box-shadow:4px 4px 4px 4px rgb(58, 109,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 16.6175, 15.5984, 51.4252 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 109, 191) }
```

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

```
.background{ background-color: rgb(58, 109,  
191) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor