

Converting Colors

XYZ(16.8505, 14.8975, 53.6171)

Have a look what the booklet for
XYZ(16.8505, 14.8975, 53.6171)
contains.

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Color

**XYZ(16.8505, 14.8975,
53.6171)**

Conversions

Conversions Part 1

Format	Color
Hex	3F68C3
RGB	63, 104, 195
RGB Percent	25%, 41%, 76%
CMY	0.7529, 0.5922, 0.2353
CMYK	0.68, 0.47, 0.00, 0.24
HSL	221°, 52%, 51%
HSV	221°, 68%, 76%
XYZ	16.8505, 14.8975, 53.6171
YIQ	102.1150, -53.6470, 19.6090

Conversions

Conversions Part 2

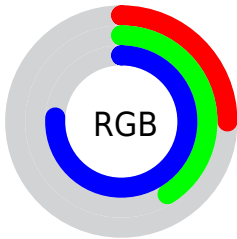
Format	Color
R _{YB}	63, 94, 195
Decimal	4155587
CIE Lab	45.49, 15.83, -51.91
CIE LCh	45, 54.270, 286.955
Yxy	14.8975, 0.1974, 0.1745
Android (android.graphics.Color)	4282345667 (0xFF3F68C3)
YUV	102.1150, 45.7923, -34.3039
Hunter-Lab	38.5973, 10.3829, -55.3441

Details

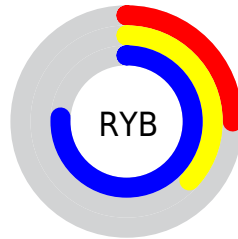
The XYZ color **16.8505, 14.8975, 53.6171** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark muted azure. A complement of this color would be **34.9600, 35.0747, 9.6312**, and the grayscale version is **12.5542, 13.2080, 14.3835**.

A 20% lighter version of the original color is **37.6042, 34.7561, 96.8221**, and **6.3208, 4.9492, 25.8215** is the 20% darker color. If you saturate the color by 10%, you get **14.5714, 11.8714, 53.1535**, and if you desaturate by 10%, it is **19.7876, 18.5833, 54.1741**.

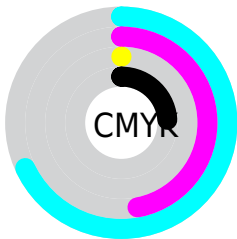
Distribution



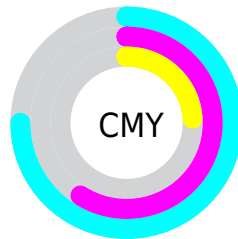
- Red (25%)
- Green (41%)
- Blue (76%)



- Red (25%)
- Yellow (37%)
- Blue (76%)



- Cyan (68%)
- Magenta (47%)
- Yellow (0%)
- Black (24%)



- Cyan (75%)
- Magenta (59%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.8505, 14.8975, 53.6171 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 16.8505, 14.8975, 53.6171 by changing the saturation by 10% instead.

■ 16.8505, 14.8975,
53.6171

■ 16.8505, 14.8975,
53.6171

227.4825,
222.7450, 417.7815

■ 10.2226, 8.7475,
37.9045

■ 37.6142, 34.6733,
96.9625

■ 5.6102, 4.5768,
25.6073

■ 52.4807, 49.0678,
125.4325

■ 2.6479, 2.0012,
16.3070

■ 70.8241, 66.9793,
158.9920

■ 0.9704, 0.6082,
9.5850

■ 93.0098, 88.7921,
198.0595

■ 0.0000, 0.0000,
5.0227

■ 119.4032,
114.8907, 243.0537

■ 0.0000, 0.0000,
2.2016

150.3695,

■ 0.0000, 0.0000,

145.6595, 294.3931

0.6753

186.2741,
181.4828, 352.4962

■ 0.0000, 0.0000,
0.0000

■ 16.8505, 14.8975,
53.6171

■ 16.8505, 14.8975,
53.6171

■ 14.5714, 11.8714,
53.1535

■ 19.7876, 18.5833,
54.1741

■ 12.8890, 9.4580,
52.7763

■ 23.4321, 22.9681,
54.8283

■ 11.7216, 7.5988,
52.4790

■ 27.8306, 28.0892,
55.5850

■ 11.4958, 7.2310,
52.4199

■ 33.0249, 33.9810,
56.4484

■ 39.0538, 40.6752,
57.4228

■ 45.9533, 48.2019,
58.5120

■ 53.7573, 56.5894,
59.7196

■ 62.4978, 65.8646,
61.0492

■ 72.2051, 76.0534,
62.5042

Harmonies

Analogous

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



12.2858, 14.8975, 54.5992



16.8505, 14.8975, 53.6171



21.5145, 14.8975, 39.8552

Triad

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



16.8505, 14.8975, 53.6171



20.9646, 14.8975, 3.9775



7.2643, 14.8975, 11.2231

Complementary

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



16.8505, 14.8975, 53.6171



34.9600, 35.0747, 9.6312

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.



8.7070, 14.8975, 4.4672



16.8505, 14.8975, 53.6171



16.2149, 14.8975, 2.0439

Square

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



16.8505, 14.8975, 53.6171



24.2148, 14.8975, 9.9871



11.7717, 14.8975, 2.1565



7.3632, 14.8975, 24.6232

Rectangle

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



16.8505, 14.8975, 53.6171



23.7657, 14.8975, 28.0558



11.7717, 14.8975, 2.1565



7.5694, 14.8975, 8.2935

Sweetspot

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



16.8512, 14.8980, 53.6175



66.9668, 69.5645, 102.3676



27.3321, 42.3941, 36.9672



13.9783, 14.4727, 22.3067



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



16.8512, 14.8980, 53.6175



24.5956, 19.1567, 94.8711



15.5781, 9.5322, 52.6489



9.7778, 10.2470, 12.7473



7.5382, 4.8330, 34.0922



0.3884, 0.3341, 1.4939

Inverse Universe

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



26.7825, 16.1575, 14.8040



44.2589, 24.0488, 17.4849



37.1641, 48.0251, 12.0147



10.1992, 10.1283, 11.1393



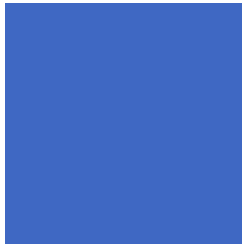
15.2009, 7.7701, 3.7042



0.6884, 0.3484, 0.3266

Previews

White Background



This preview shows how the XYZ color 16.8505, 14.8975, 53.6171 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 16.8505, 14.8975, 53.6171 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

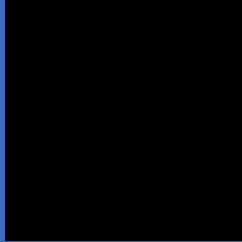
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.8505, 14.8975, 53.6171

Background



This preview shows how black text looks on a background with the XYZ color 16.8505, 14.8975, 53.6171.



This preview shows how white text looks on a background with the XYZ color 16.8505, 14.8975,

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

16.8505, 14.8975, 53.6171

Protanopia

16.7872, 14.8649, 53.6142

Deuteranopia

15.2062, 14.8323, 53.1004



Tritanopia

10.5593, 14.7786, 23.0649

Trichromacy



Original Color

16.8505, 14.8975, 53.6171

Protanomaly

16.7872, 14.8649, 53.6142

Deuteranomaly

15.3486, 14.5926, 53.0466

Tritanomaly

12.1204, 14.5167, 32.3002

Monochromacy



Original Color

16.8505, 14.8975, 53.6171

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

13.3187, 13.5528, 25.2065

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8505, 14.8975, 53.6171 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(63, 104, 195)` looks like.

```
.text, #text, p{  
    color:rgb(63, 104, 195)  
}
```

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(63, 104, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 104, 195) }
```

Border

The CSS property to change the border of an element to XYZ 16.8505, 14.8975, 53.6171 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(63, 104, 195) }
```


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

```
.border{ border-color:rgb(63, 104, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 104, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 104, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 104, 195);  
box-shadow:4px 4px 4px 4px rgb(63, 104,  
195) }
```

Background

The CSS property to change the background color of an element to XYZ 16.8505, 14.8975, 53.6171 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 104, 195) }
```

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

```
.background{ background-color: rgb(63, 104,  
195) }
```

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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