

Converting Colors

XYZ(16.4505, 17.1806, 36.1674)

Have a look what the booklet for
XYZ(16.4505, 17.1806, 36.1674)
contains.

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Color

**XYZ(16.4505, 17.1806,
36.1674)**

Conversions

Conversions Part 1

Format	Color
Hex	5475A1
RGB	84, 117, 161
RGB Percent	33%, 46%, 63%
CMY	0.6706, 0.5412, 0.3686
CMYK	0.48, 0.27, 0.00, 0.37
HSL	214°, 31%, 48%
HSV	214°, 48%, 63%
XYZ	16.4505, 17.1806, 36.1674
YIQ	112.1490, -33.7920, 6.6880

Conversions

Conversions Part 2

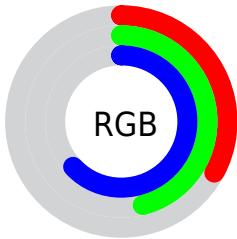
Format	Color
R_{YB}	84, 107, 161
Decimal	5535137
CIE Lab	48.49, 0.68, -27.33
CIE LCh	48, 27.335, 271.434
Yxy	17.1806, 0.2357, 0.2461
Android (android.graphics.Color)	4283725217 (0xFF5475A1)
YUV	112.1490, 24.0835, -24.6867
Hunter-Lab	41.4495, -1.6934, -22.7198

Details

The XYZ color **16.4505, 17.1806, 36.1674** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **24.0180, 23.6564, 11.6886**, and the grayscale version is **15.3840, 16.1851, 17.6256**.

A 20% lighter version of the original color is **36.8992, 38.6522, 70.4816**, and **5.3951, 5.6216, 15.2687** is the 20% darker color. If you saturate the color by 10%, you get **14.1519, 14.4820, 35.7680**, and if you desaturate by 10%, it is **19.1868, 20.2619, 36.6183**.

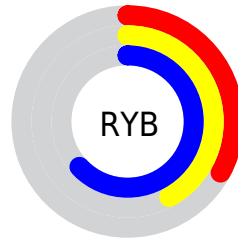
Distribution



Red (33%)

Green (46%)

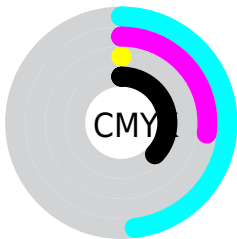
Blue (63%)



Red (33%)

Yellow (42%)

Blue (63%)

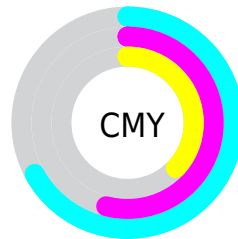


Cyan (48%)

Magenta (27%)

Yellow (0%)

Black (37%)



Cyan (67%)

Magenta (54%)

Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.4505, 17.1806, 36.1674 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 16.4505, 17.1806, 36.1674 by changing the saturation by 10% instead.

■ 16.4505, 17.1806,
36.1674

■ 16.4505, 17.1806,
36.1674

225.2041,
236.2110, 344.7511

■ 9.9364, 10.3633,
24.2728

■ 36.9297, 38.6360,
70.4623

■ 5.4187, 5.6405,
15.3220

■ 51.6255, 54.0430,
93.6997

■ 2.5322, 2.6278,
8.8966

■ 69.7792, 73.0820,
121.5551

■ 0.9115, 0.9406,
4.5779

■ 91.7562, 96.1374,
154.4471

■ 0.0000, 0.0000,
1.9474

■ 117.9218,
123.5936, 192.7941

■ 0.0000, 0.0000,
0.5227

148.6414,

■ 0.0000, 0.0000,

155.8350, 237.0148

0.0000

184.2804,
193.2460, 287.5276

■ 16.4505, 17.1806,
36.1674

■ 16.4505, 17.1806,
36.1674

■ 14.1519, 14.4820,
35.7680

■ 19.1868, 20.2619,
36.6183

■ 12.2634, 12.1464,
35.4167

■ 22.3829, 23.7406,
37.1213

■ 10.7562, 10.1547,
35.1117

■ 26.0612, 27.6328,
37.6787

■ 9.5970, 8.4846,
34.8505

■ 30.2421, 31.9530,
38.2922

■ 8.7302, 7.1024,
34.6293

■ 34.9449, 36.7149,
38.9635

■ 8.5611, 6.8293,
34.5855

■ 40.1877, 41.9316,
39.6941

■ 45.9877, 47.6157,
40.4855

■ 52.3614, 53.7790,
41.3392

■ 59.3246, 60.4332,
42.2566

Harmonies

Analogous

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



14.1326, 17.1806, 33.6293



16.4505, 17.1806, 36.1674



18.9732, 17.1806, 33.1214

Triad

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



16.4505, 17.1806, 36.1674



20.7948, 17.1806, 12.3944



12.4534, 17.1806, 12.8545

Complementary

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



16.4505, 17.1806, 36.1674



24.0180, 23.6564, 11.6886

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.



13.9438, 17.1806, 9.2312



16.4505, 17.1806, 36.1674



18.7433, 17.1806, 9.0172

Square

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



16.4505, 17.1806, 36.1674



21.6347, 17.1806, 18.3636



16.2094, 17.1806, 8.0260



11.9715, 17.1806, 19.0542

Rectangle

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



16.4505, 17.1806, 36.1674



20.3935, 17.1806, 28.6939



16.2094, 17.1806, 8.0260



12.8450, 17.1806, 11.3563

Sweetspot

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



16.4511, 17.1812, 36.1678



49.2343, 52.1536, 67.8583



20.2738, 28.9239, 24.8108



10.4742, 11.1018, 14.8345



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



16.4511, 17.1812, 36.1678



25.2527, 25.8251, 64.0403



13.7367, 11.0451, 35.1265



6.9384, 7.3358, 8.9533



6.8764, 5.5322, 27.6352



0.1910, 0.2092, 0.5962

Inverse Universe

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



21.0797, 15.2028, 18.6536



34.7787, 22.7904, 27.7621



28.0301, 33.1849, 13.3163



7.1939, 7.1340, 8.0074



12.6164, 6.4026, 5.1703



0.2886, 0.1439, 0.2322

Previews

White Background



This preview shows how the XYZ color 16.4505, 17.1806, 36.1674 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 16.4505, 17.1806, 36.1674 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

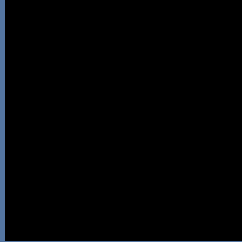
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

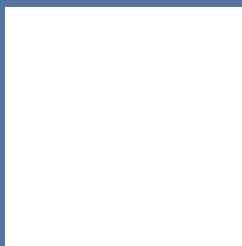
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.4505, 17.1806, 36.1674

Background



This preview shows how black text looks on a background with the XYZ color 16.4505, 17.1806, 36.1674.

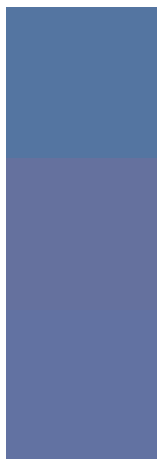


This preview shows how white text looks on a background with the XYZ color 16.4505, 17.1806,

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

16.4505, 17.1806, 36.1674

Protanopia

17.4435, 17.0456, 34.7185

Deuteranopia

17.5759, 17.2399, 36.5837



Tritanopia

14.0260, 17.0809, 24.3875

Trichromacy



Original Color

16.4505, 17.1806, 36.1674

Protanomaly

16.9946, 16.9707, 35.1809

Deuteranomaly

17.1665, 17.1973, 36.5970

Tritanomaly

14.8163, 17.0358, 28.4939

Monochromacy



Original Color

16.4505, 17.1806, 36.1674

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

15.5261, 16.4711, 23.4800

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.4505, 17.1806, 36.1674 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(84, 117, 161)` looks like.

```
.text, #text, p{  
    color:rgb(84, 117, 161)  
}
```

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(84, 117, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 117, 161) }
```

Border

The CSS property to change the border of an element to XYZ 16.4505, 17.1806, 36.1674 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(84, 117, 161) }
```


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

```
.border{ border-color:rgb(84, 117, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 117, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 117, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 117, 161);  
box-shadow:4px 4px 4px 4px rgb(84, 117,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 16.4505, 17.1806, 36.1674 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 117, 161) }
```

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

```
.background{ background-color: rgb(84, 117,  
161) }
```

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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