

Converting Colors

XYZ(16.6157, 16.7150, 45.5306)

Have a look what the booklet for
XYZ(16.6157, 16.7150, 45.5306)
contains.

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Color

**XYZ(16.6157, 16.7150,
45.5306)**

Conversions

Conversions Part 1

Format	Color
Hex	4273B4
RGB	66, 115, 180
RGB Percent	26%, 45%, 71%
CMY	0.7412, 0.5490, 0.2941
CMYK	0.63, 0.36, 0.00, 0.29
HSL	214°, 46%, 48%
HSV	214°, 63%, 71%
XYZ	16.6157, 16.7150, 45.5306
YIQ	107.7590, -50.0690, 9.8270

Conversions

Conversions Part 2

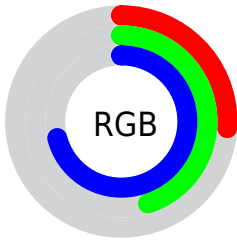
Format	Color
R _Y B	66, 100, 180
Decimal	4354996
CIE Lab	47.90, 4.15, -39.39
CIE LCh	48, 39.606, 276.011
Yxy	16.7150, 0.2107, 0.2120
Android (android.graphics.Color)	4282545076 (0xFF4273B4)
YUV	107.7590, 35.6148, -36.6226
Hunter-Lab	40.8840, 0.9974, -37.4097

Details

The XYZ color **16.6157, 16.7150, 45.5306** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **27.9231, 26.3308, 8.7658**, and the grayscale version is **14.1007, 14.8351, 16.1554**.

A 20% lighter version of the original color is **37.2712, 37.9786, 84.7231**, and **5.8979, 5.6666, 20.8616** is the 20% darker color. If you saturate the color by 10%, you get **14.4824, 13.9737, 45.1143**, and if you desaturate by 10%, it is **19.2622, 19.9148, 46.0091**.

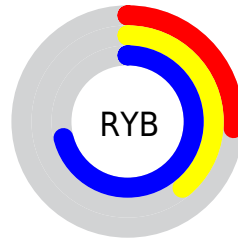
Distribution



Red (26%)

Green (45%)

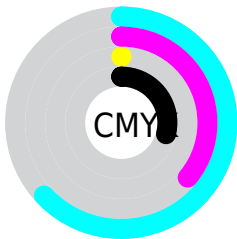
Blue (71%)



Red (26%)

Yellow (39%)

Blue (71%)

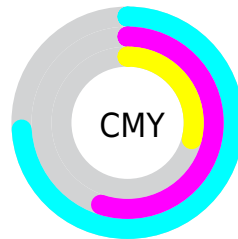


Cyan (63%)

Magenta (36%)

Yellow (0%)

Black (29%)



Cyan (74%)

Magenta (55%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.6157, 16.7150, 45.5306 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 16.6157, 16.7150, 45.5306 by changing the saturation by 10% instead.

■ 16.6157, 16.7150,
45.5306

■ 16.6157, 16.7150,
45.5306

226.1476,
233.5246, 385.1409

■ 10.0545, 10.0315,
31.5296

■ 37.2127, 37.8351,
84.8429

■ 5.4976, 5.4198,
20.7406

■ 51.9792, 53.0405,
110.9913

■ 2.5798, 2.4956,
12.7451

■ 70.2115, 71.8553,
142.0259

■ 0.9357, 0.8745,
7.1246

■ 92.2750, 94.6640,
178.3653

■ 0.0000, 0.0000,
3.4605

■ 118.5350,
121.8508, 220.4279

■ 0.0000, 0.0000,
1.3343

149.3569,

■ 0.0000, 0.0000,

153.8003, 268.6323

0.0897

185.1059,
190.8968, 323.3972

■ 0.0000, 0.0000,
0.0000

■ 16.6157, 16.7150,
45.5306

■ 16.6157, 16.7150,
45.5306

■ 14.4824, 13.9737,
45.1143

■ 19.2622, 19.9148,
46.0091

■ 12.8189, 11.6615,
44.7556

■ 22.4564, 23.5962,
46.5513

■ 11.5767, 9.7469,
44.4516

■ 26.2317, 27.7825,
47.1604

■ 10.9178, 8.6543,
44.2754

■ 30.6183, 32.4947,
47.8387

■ 35.6441, 37.7525,
48.5887

■ 41.3351, 43.5744,
49.4125

■ 47.7158, 49.9780,
50.3122

■ 54.8096, 56.9803,
51.2899

■ 62.6386, 64.5971,
52.3475

Harmonies

Analogous

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



13.2604, 16.7150, 42.6674



16.6157, 16.7150, 45.5306



20.2669, 16.7150, 39.1417

Triad

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



16.6157, 16.7150, 45.5306



22.1009, 16.7150, 8.9269



10.4121, 16.7150, 11.3293

Complementary

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



16.6157, 16.7150, 45.5306



27.9231, 26.3308, 8.7658

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.



12.1887, 16.7150, 6.4920



16.6157, 16.7150, 45.5306



18.8396, 16.7150, 5.5121

Square

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



16.6157, 16.7150, 45.5306



23.7242, 16.7150, 16.2207



15.1801, 16.7150, 4.8267



9.9995, 16.7150, 20.3337

Rectangle

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



16.6157, 16.7150, 45.5306



22.2742, 16.7150, 31.5255



15.1801, 16.7150, 4.8267



10.8551, 16.7150, 9.2845

Sweetspot

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



16.6163, 16.7156, 45.5310



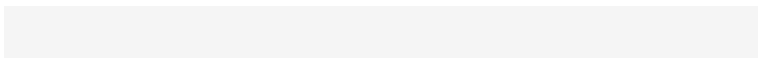
59.0250, 62.6169, 87.2699



22.6384, 35.4292, 26.9772



12.2195, 12.9676, 18.7812



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



16.6163, 16.7156, 45.5310



24.9644, 23.5823, 81.5307



12.9806, 8.6327, 44.1625



8.3323, 8.8108, 10.7678



7.6840, 6.1684, 30.9226



0.3001, 0.3108, 0.9924

Inverse Universe

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



23.8657, 14.8383, 17.8263



39.7872, 22.1438, 24.3445



34.4063, 41.8523, 11.4201



8.6429, 8.5639, 9.6181



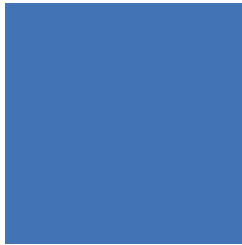
14.1132, 7.1628, 5.7560



0.4735, 0.2372, 0.3362

Previews

White Background



This preview shows how the XYZ color 16.6157, 16.7150, 45.5306 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 16.6157, 16.7150, 45.5306 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 16.6157, 16.7150, 45.5306

Background



This preview shows how black text looks on a background with the XYZ color 16.6157, 16.7150, 45.5306.



This preview shows how white text looks on a background with the XYZ color 16.6157, 16.7150,

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

16.6157, 16.7150, 45.5306

Protanopia

17.6407, 16.6273, 43.3539

Deuteranopia

17.0450, 16.6014, 45.4860



Tritanopia

12.4656, 16.6288, 25.1069

Trichromacy



Original Color

16.6157, 16.7150, 45.5306

Protanomaly

17.1233, 16.5120, 43.8796

Deuteranomaly

16.9280, 16.7076, 45.5127

Tritanomaly

13.7885, 16.6129, 31.7580

Monochromacy



Original Color

16.6157, 16.7150, 45.5306

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

14.5017, 15.4173, 24.7658

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.6157, 16.7150, 45.5306 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(66, 115, 180)` looks like.

```
.text, #text, p{  
    color:rgb(66, 115, 180)  
}
```

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(66, 115, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 115, 180) }
```

Border

The CSS property to change the border of an element to XYZ 16.6157, 16.7150, 45.5306 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(66, 115, 180) }
```


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

```
.border{ border-color:rgb(66, 115, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 115, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(66, 115, 180); -webkit-box-shadow:4px 4px 4px 4px rgb(66, 115, 180); box-shadow:4px 4px 4px 4px rgb(66, 115, 180) }
```

Background

The CSS property to change the background color of an element to XYZ 16.6157, 16.7150, 45.5306 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 115, 180) }
```

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

```
.background{ background-color: rgb(66, 115,  
180) }
```

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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