

Converting Colors

XYZ(15.9464, 16.8705, 44.7990)

Have a look what the booklet for
XYZ(15.9464, 16.8705, 44.7990)
contains.

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Color

**XYZ(16.0313, 16.9416,
45.0729)**

Conversions

Conversions Part 1

Format	Color
Hex	3476B3
RGB	52, 118, 179
RGB Percent	20%, 46%, 70%
CMY	0.7960, 0.5372, 0.2980
CMYK	0.71, 0.34, 0.00, 0.30
HSL	209°, 55%, 45%
HSV	209°, 71%, 70%
XYZ	16.0313, 16.9416, 45.0729
YIQ	105.2200, -58.9170, 4.9790

Conversions

Conversions Part 2

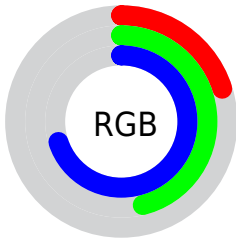
Format	Color
R _Y B	52, 95, 179
Decimal	3438259
CIE Lab	48.19, -0.41, -38.39
CIE LCh	48, 38.392, 269.391
Yxy	16.9416, 0.2054, 0.2171
Android (android.graphics.Color)	4281628339 (0xFF3476B3)
YUV	105.2200, 36.3735, -46.6739
Hunter-Lab	41.1602, -2.5071, -36.1140

Details

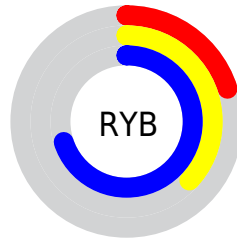
The XYZ color **16.0313, 16.9416, 45.0729** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **25.1166, 21.6438, 6.1037**, and the grayscale version is **13.4036, 14.1017, 15.3567**.

A 20% lighter version of the original color is **36.1802, 38.2583, 84.0750**, and **5.9561, 5.8867, 20.5610** is the 20% darker color. If you saturate the color by 10%, you get **14.3118, 14.6201, 44.7158**, and if you desaturate by 10%, it is **18.1937, 19.6289, 45.4780**.

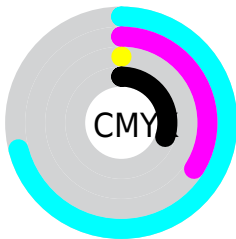
Distribution



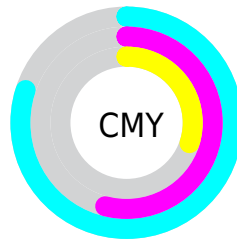
- Red (20%)
- Green (46%)
- Blue (70%)



- Red (20%)
- Yellow (37%)
- Blue (70%)



- Cyan (71%)
- Magenta (34%)
- Yellow (0%)
- Black (30%)



- Cyan (80%)
- Magenta (54%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.0313, 16.9416, 45.0729 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 16.0313, 16.9416, 45.0729 by changing the saturation by 10% instead.

■ 16.0313, 16.9416,
45.0729

■ 16.0313, 16.9416,
45.0729

222.7931,
234.8356, 383.2375

■ 9.6373, 10.1929,
31.1715

■ 36.2095, 38.2253,
84.1494

■ 5.2196, 5.5270,
20.4699

■ 50.7245, 53.5291,
110.1616

■ 2.4127, 2.5597,
12.5496

■ 68.6771, 72.4534,
141.0477

■ 0.8515, 0.9064,
6.9921

■ 90.4328, 95.3825,
177.2264

■ 0.0000, 0.0000,
3.3788

■ 116.3569,
122.7009, 219.1162

■ 0.0000, 0.0000,
1.2911

146.8147,

■ 0.0000, 0.0000,

154.7930, 267.1356

0.0545

182.1717,
192.0431, 321.7032

■ 0.0000, 0.0000,
0.0000

■ 16.0313, 16.9416,
45.0729

■ 16.0313, 16.9416,
45.0729

■ 14.3118, 14.6201,
44.7158

■ 18.1937, 19.6289,
45.4780

■ 12.9888, 12.6363,
44.4026

■ 20.8347, 22.7032,
45.9322

■ 12.0528, 11.0868,
44.1529

■ 23.9884, 26.1857,
46.4382

■ 27.6848, 30.0952,
46.9980

■ 31.9514, 34.4490,
47.6134

■ 36.8140, 39.2635,
48.2864

■ 42.2965, 44.5538,
49.0186

■ 48.4215, 50.3347,
49.8116

■ 55.2103, 56.6198,
50.6670

Harmonies

Analogous

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



12.9247, 16.9416, 40.3939



16.0313, 16.9416, 45.0729



19.6214, 16.9416, 40.7391

Triad

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



16.0313, 16.9416, 45.0729



22.6778, 16.9416, 10.5379



10.9947, 16.9416, 10.2963

Complementary

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



16.0313, 16.9416, 45.0729



25.1166, 21.6438, 6.1037

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.



13.0317, 16.9416, 6.2660



16.0313, 16.9416, 45.0729



19.7626, 16.9416, 6.3659

Square

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



16.0313, 16.9416, 45.0729



23.7786, 16.9416, 18.6514



16.1739, 16.9416, 5.1388



10.2865, 16.9416, 18.2431

Rectangle

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



16.0313, 16.9416, 45.0729



21.7464, 16.9416, 33.9766



16.1739, 16.9416, 5.1388



11.5308, 16.9416, 8.5598

Sweetspot

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



16.0319, 16.9422, 45.0733



56.8900, 61.3614, 85.2267



20.4211, 34.1244, 20.6278



12.1223, 13.1080, 18.8134



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.



16.0319, 16.9422, 45.0733



24.2485, 24.1616, 79.7668



10.9793, 6.8368, 43.3891



8.3951, 8.9363, 10.7887



8.5825, 7.9654, 31.2221



0.3281, 0.3667, 1.0017

Inverse Universe

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



23.0890, 13.3486, 18.4995



38.4277, 20.1699, 25.6502



34.4953, 40.4013, 9.2300



8.6746, 8.5766, 9.7849



14.5667, 7.3442, 8.1443



0.4876, 0.2428, 0.4105

Previews

White Background



This preview shows how the XYZ color 16.0313, 16.9416, 45.0729 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 16.0313, 16.9416, 45.0729 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

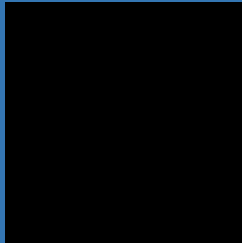
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.0313, 16.9416, 45.0729

Background



This preview shows how black text looks on a background with the XYZ color 16.0313, 16.9416, 45.0729.



This preview shows how white text looks on a background with the XYZ color 16.0313, 16.9416,

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

16.0313, 16.9416, 45.0729

Protanopia

17.8478, 16.9196, 42.3695

Deuteranopia

17.3161, 16.9077, 45.5309



Tritanopia

12.0638, 16.7730, 26.2686

Trichromacy



Original Color

16.0313, 16.9416, 45.0729

Protanomaly

16.9144, 16.7470, 43.4153

Deuteranomaly

16.7528, 16.7857, 45.5370

Tritanomaly

13.1038, 16.6151, 32.2221

Monochromacy



Original Color

16.0313, 16.9416, 45.0729

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

13.5785, 14.7962, 23.9701

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.0313, 16.9416, 45.0729 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(52, 118, 179)` looks like.

```
.text, #text, p{  
    color:rgb(52, 118, 179)  
}
```

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(52, 118, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 118, 179) }
```

Border

The CSS property to change the border of an element to XYZ 16.0313, 16.9416, 45.0729 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(52, 118, 179) }
```


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

```
.border{ border-color:rgb(52, 118, 179) }
```

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

Here you see how a box with a 4 pixel rgb(52, 118, 179) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 118, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 118, 179);  
box-shadow:4px 4px 4px 4px rgb(52, 118,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 16.0313, 16.9416, 45.0729 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 118, 179) }
```

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

```
.background{ background-color: rgb(52, 118,  
179) }
```

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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