

Converting Colors

XYZ(16.2648, 15.9612, 40.1148)

Have a look what the booklet for
XYZ(16.2648, 15.9612, 40.1148)
contains.

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Color

**XYZ(16.3335, 16.0205,
40.2616)**

Conversions

Conversions Part 1

Format	Color
Hex	516FAA
RGB	81, 111, 170
RGB Percent	32%, 44%, 67%
CMY	0.6823, 0.5647, 0.3333
CMYK	0.52, 0.35, 0.00, 0.33
HSL	220°, 35%, 49%
HSV	220°, 52%, 67%
XYZ	16.3335, 16.0205, 40.2616
YIQ	108.7560, -36.8190, 11.9890

Conversions

Conversions Part 2

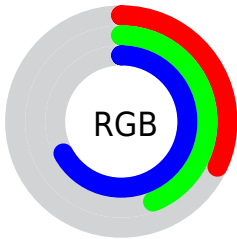
Format	Color
R _Y B	81, 103, 170
Decimal	5337002
CIE Lab	47.00, 6.42, -34.93
CIE LCh	47, 35.514, 280.422
Yxy	16.0205, 0.2249, 0.2206
Android (android.graphics.Color)	4283527082 (0xFF516FAA)
YUV	108.7560, 30.1933, -24.3420
Hunter-Lab	40.0256, 2.7968, -31.6216

Details

The XYZ color **16.3335, 16.0205, 40.2616** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **27.4417, 27.8974, 11.7239**, and the grayscale version is **14.3921, 15.1416, 16.4892**.

A 20% lighter version of the original color is **36.6395, 36.4825, 77.0622**, and **5.3535, 5.1106, 17.5339** is the 20% darker color. If you saturate the color by 10%, you get **13.9019, 13.0554, 39.8178**, and if you desaturate by 10%, it is **19.2862, 19.4851, 40.7750**.

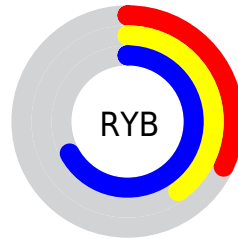
Distribution



Red (32%)

Green (44%)

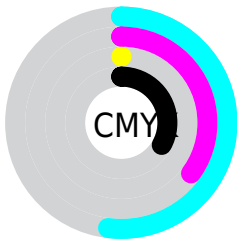
Blue (67%)



Red (32%)

Yellow (40%)

Blue (67%)

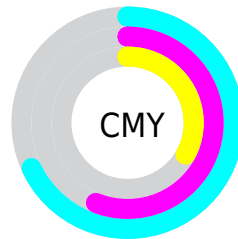


Cyan (52%)

Magenta (35%)

Yellow (0%)

Black (33%)



Cyan (68%)

Magenta (56%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.3335, 16.0205, 40.2616 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 16.3335, 16.0205, 40.2616 by changing the saturation by 10% instead.

■ 16.3335, 16.0205,
40.2616

■ 16.3335, 16.0205,
40.2616

224.5336,
229.4627, 362.8098

■ 9.8528, 9.5387,
27.4272

■ 36.7290, 36.6338,
76.8031

■ 5.3630, 5.0942,
17.6591

■ 51.3745, 51.5340,
101.3474

■ 2.4987, 2.3026,
10.5386

■ 69.4723, 70.0092,
130.6320

■ 0.8946, 0.7751,
5.6473

■ 91.3878, 92.4437,
165.0756

■ 0.0000, 0.0000,
2.5665

■ 117.4863,
119.2219, 205.0966

■ 0.0000, 0.0000,
0.8751

148.1332,

■ 0.0000, 0.0000,

150.7282, 251.1136

0.0000

183.6939,
187.3470, 303.5451

■ 16.3335, 16.0205,
40.2616

■ 16.3335, 16.0205,
40.2616

■ 13.9019, 13.0554,
39.8178

■ 19.2862, 19.4851,
40.7750

■ 11.9560, 10.5622,
39.4391

■ 22.7885, 23.4712,
41.3598

■ 10.4586, 8.5130,
39.1225

■ 26.8688, 28.0015,
42.0192

■ 9.3654, 6.8752,
38.8639

■ 31.5532, 33.0966,
42.7558

■ 8.7338, 5.8584,
38.7010

■ 36.8659, 38.7762,
43.5720

■ 42.8297, 45.0589,
44.4704

■ 49.4665, 51.9623,
45.4531

■ 56.7968, 59.5034,
46.5223

■ 64.8406, 67.6986,
47.6802

Harmonies

Analogous

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



13.3116, 16.0205, 39.0396



16.3335, 16.0205, 40.2616



19.4385, 16.0205, 33.9798

Triad

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



16.3335, 16.0205, 40.2616



20.2429, 16.0205, 8.5353



10.2633, 16.0205, 12.3156

Complementary

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



16.3335, 16.0205, 40.2616



27.4417, 27.8974, 11.7239

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.



11.6725, 16.0205, 7.3914



16.3335, 16.0205, 40.2616



17.3179, 16.0205, 5.7792

Square

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



16.3335, 16.0205, 40.2616



21.8907, 16.0205, 14.5279



14.1716, 16.0205, 5.4473



10.0748, 16.0205, 20.7254

Rectangle

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



16.3335, 16.0205, 40.2616



21.0360, 16.0205, 27.3252



14.1716, 16.0205, 5.4473



10.5999, 16.0205, 10.2879

Sweetspot

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



16.3341, 16.0211, 40.2620



53.7675, 56.2832, 77.0318



22.4179, 32.3590, 29.4338



11.6125, 12.1405, 17.1190



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



16.3341, 16.0211, 40.2620



24.5276, 22.8152, 72.1129



14.8510, 11.1863, 39.4070



7.3308, 7.6984, 9.5179



6.4716, 4.4035, 28.4844



0.2045, 0.2012, 0.7087

Inverse Universe

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



22.3898, 15.5794, 16.8664



37.0773, 23.1434, 23.3495



29.6969, 36.4769, 13.2610



7.6315, 7.5825, 8.3769



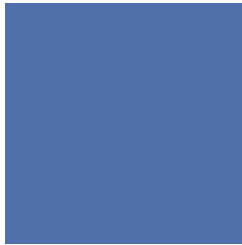
12.7672, 6.5156, 3.5856



0.3344, 0.1680, 0.2123

Previews

White Background



This preview shows how the XYZ color 16.3335, 16.0205, 40.2616 looks on a white background.

Color Contrast Check

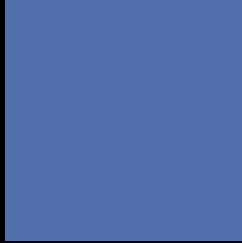
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.3335, 16.0205, 40.2616 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

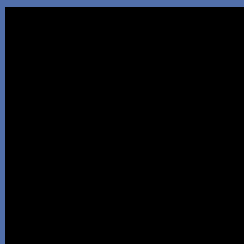
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

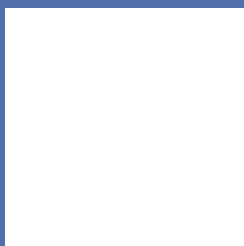
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.3335, 16.0205, 40.2616

Background



This preview shows how black text looks on a background with the XYZ color 16.3335, 16.0205, 40.2616.



This preview shows how white text looks on a background with the XYZ color 16.3335, 16.0205,

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

16.3335, 16.0205, 40.2616

Protanopia

16.7530, 15.9381, 39.2392

Deuteranopia

16.4198, 16.0650, 40.2656



Tritanopia

12.8740, 15.9719, 23.1732

Trichromacy



Original Color

16.3335, 16.0205, 40.2616

Protanomaly

16.6678, 16.0427, 39.7542

Deuteranomaly

16.4198, 16.0650, 40.2656

Tritanomaly

13.9519, 15.8821, 28.7158

Monochromacy



Original Color

16.3335, 16.0205, 40.2616

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

14.8183, 15.4432, 23.6726

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.3335, 16.0205, 40.2616 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(81, 111, 170)` looks like.

```
.text, #text, p{  
    color:rgb(81, 111, 170)  
}
```

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(81, 111, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 111, 170) }
```

Border

The CSS property to change the border of an element to XYZ 16.3335, 16.0205, 40.2616 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(81, 111, 170) }
```


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

```
.border{ border-color:rgb(81, 111, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 111, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 111, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 111, 170);  
box-shadow:4px 4px 4px 4px rgb(81, 111,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 16.3335, 16.0205, 40.2616 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 111, 170) }
```

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

```
.background{ background-color: rgb(81, 111,  
170) }
```

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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