

Converting Colors

XYZ(16.7980, 15.2063, 47.2344)

Have a look what the booklet for
XYZ(16.7980, 15.2063, 47.2344)
contains.

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Color

**XYZ(16.7639, 15.1416,
47.3865)**

Conversions

Conversions Part 1

Format	Color
Hex	4D69B8
RGB	77, 105, 184
RGB Percent	30%, 41%, 72%
CMY	0.6980, 0.5882, 0.2784
CMYK	0.58, 0.43, 0.00, 0.28
HSL	224°, 43%, 51%
HSV	224°, 58%, 72%
XYZ	16.7639, 15.1416, 47.3865
YIQ	105.6340, -42.0470, 18.6330

Conversions

Conversions Part 2

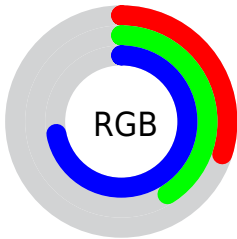
Format	Color
R_{YB}	77, 99, 184
Decimal	5073336
CIE _{Lab}	45.83, 13.90, -44.96
CIE _{LCh}	46, 47.065, 287.184
Yxy	15.1416, 0.2114, 0.1910
Android (android.graphics.Color)	4283263416 (0xFF4D69B8)
YUV	105.6340, 38.6344, -25.1120
Hunter-Lab	38.9122, 8.8038, -44.9636

Details

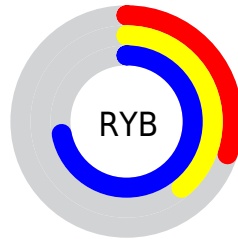
The XYZ color **16.7639, 15.1416, 47.3865** is a dark color, and the websafe version is hex **3366CC**. A complement of this color would be **32.9965, 34.5051, 11.9433**, and the grayscale version is **13.5064, 14.2098, 15.4744**.

A 20% lighter version of the original color is **37.5972, 35.1961, 88.0310**, and **5.5932, 4.7396, 21.7391** is the 20% darker color. If you saturate the color by 10%, you get **14.2088, 11.9319, 46.9020**, and if you desaturate by 10%, it is **19.9611, 19.0109, 47.9652**.

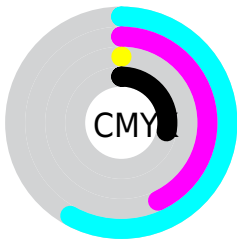
Distribution



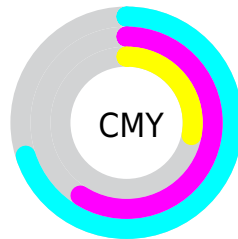
- Red (30%)
- Green (41%)
- Blue (72%)



- Red (30%)
- Yellow (39%)
- Blue (72%)



- Cyan (58%)
- Magenta (43%)
- Yellow (0%)
- Black (28%)



- Cyan (70%)
- Magenta (59%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.7639, 15.1416, 47.3865 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 16.7639, 15.1416, 47.3865 by changing the saturation by 10% instead.

■ 16.7639, 15.1416,
47.3865

■ 16.7639, 15.1416,
47.3865

226.9910,
224.2217, 392.7935

■ 10.1606, 8.9188,
32.9848

■ 37.4662, 35.1014,
87.6463

■ 5.5686, 4.6883,
21.8438

■ 52.2959, 49.6072,
114.3414

■ 2.6227, 2.0655,
13.5449

■ 70.5984, 67.6428,
145.9714

■ 0.9576, 0.6451,
7.6697

■ 92.7392, 89.5926,
182.9548

■ 0.0000, 0.0000,
3.7996

■ 119.0834,
115.8410, 225.7102

■ 0.0000, 0.0000,
1.5161

149.9966,

■ 0.0000, 0.0000,

146.7724, 274.6561

0.2299

185.8440,
182.7712, 330.2110

■ 0.0000, 0.0000,
0.0000

■ 16.7639, 15.1416,
47.3865

■ 16.7639, 15.1416,
47.3865

■ 14.2088, 11.9319,
46.9020

■ 19.9611, 19.0109,
47.9652

■ 12.2472, 9.3406,
46.5052

■ 23.8407, 23.5745,
48.6415

■ 10.8256, 7.3234,
46.1908

■ 28.4414, 28.8662,
49.4205

■ 9.8634, 5.8206,
45.9514

■ 33.7987, 34.9171,
50.3060

■ 9.7146, 5.5864,
45.9140

■ 39.9454, 41.7565,
51.3022

■ 46.9125, 49.4121,
52.4127

■ 54.7293, 57.9102,
53.6410

■ 63.4236, 67.2757,
54.9905

■ 73.0219, 77.5327,
56.4644

Harmonies

Analogous

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



12.7656, 15.1416, 48.2625



16.7639, 15.1416, 47.3865



20.7407, 15.1416, 36.2275

Triad

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



16.7639, 15.1416, 47.3865



20.2209, 15.1416, 5.0960



8.1635, 15.1416, 12.1015

Complementary

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



16.7639, 15.1416, 47.3865



32.9965, 34.5051, 11.9433

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.



9.4917, 15.1416, 5.6531



16.7639, 15.1416, 47.3865



16.1502, 15.1416, 3.0449

Square

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



16.7639, 15.1416, 47.3865



22.9745, 15.1416, 10.8401



12.2544, 15.1416, 3.1868



8.2670, 15.1416, 23.8163

Rectangle

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



16.7639, 15.1416, 47.3865



22.6262, 15.1416, 26.4872



12.2544, 15.1416, 3.1868



8.4453, 15.1416, 9.3857

Sweetspot

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



16.7645, 15.1421, 47.3869



62.1750, 64.3111, 91.3409



26.1575, 38.2416, 37.2199



12.9586, 13.3653, 19.6184



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



16.7645, 15.1421, 47.3869



24.5732, 20.0952, 84.7882



16.7823, 11.5924, 46.7008



8.7071, 9.0914, 11.3753



6.7453, 3.9503, 31.6600



0.2899, 0.2434, 1.1335

Inverse Universe

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



24.9715, 16.5190, 15.2372



41.2864, 24.3525, 18.9902



32.7854, 42.1917, 13.4381



9.0985, 9.0498, 9.8661



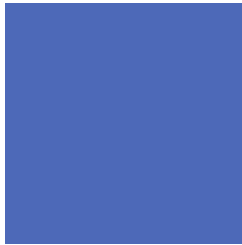
14.0184, 7.1811, 2.7177



0.5205, 0.2637, 0.2342

Previews

White Background



This preview shows how the XYZ color 16.7639, 15.1416, 47.3865 looks on a white background.

Color Contrast Check

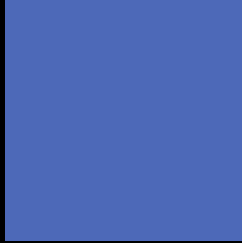
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.7639, 15.1416, 47.3865 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

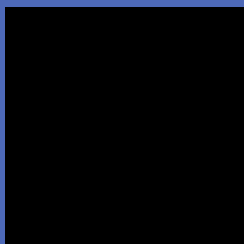
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

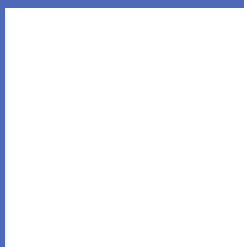
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.7639, 15.1416, 47.3865

Background



This preview shows how black text looks on a background with the XYZ color 16.7639, 15.1416, 47.3865.



This preview shows how white text looks on a background with the XYZ color 16.7639, 15.1416,

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

16.7639, 15.1416, 47.3865

Protanopia

16.7350, 15.2667, 47.9637

Deuteranopia

15.5914, 15.1684, 46.9058



Tritanopia

11.7774, 15.2461, 22.4007

Trichromacy



Original Color

16.7639, 15.1416, 47.3865

Protanomaly

16.8126, 15.3067, 47.9673

Deuteranomaly

15.9597, 15.2008, 46.8926

Tritanomaly

13.2370, 14.9725, 30.2093

Monochromacy



Original Color

16.7639, 15.1416, 47.3865

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

14.1764, 14.4622, 24.5986

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7639, 15.1416, 47.3865 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(77, 105, 184)` looks like.

```
.text, #text, p{  
    color:rgb(77, 105, 184)  
}
```

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(77, 105, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 105, 184) }
```

Border

The CSS property to change the border of an element to XYZ 16.7639, 15.1416, 47.3865 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(77, 105, 184) }
```


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

```
.border{ border-color:rgb(77, 105, 184) }
```

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

Here you see how a box with a 4 pixel rgb(77, 105, 184) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 105, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 105, 184);  
box-shadow:4px 4px 4px 4px rgb(77, 105,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 16.7639, 15.1416, 47.3865 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 105, 184) }
```

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

```
.background{ background-color: rgb(77, 105,  
184) }
```

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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