

Converting Colors

XYZ(16.7150, 15.7048, 47.4980)

Have a look what the booklet for
XYZ(16.7150, 15.7048, 47.4980)
contains.

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Color

**XYZ(16.7189, 15.7376,
47.5039)**

Conversions

Conversions Part 1

Format	Color
Hex	476DB8
RGB	71, 109, 184
RGB Percent	28%, 43%, 72%
CMY	0.7215, 0.5725, 0.2784
CMYK	0.61, 0.41, 0.00, 0.28
HSL	220°, 44%, 50%
HSV	220°, 61%, 72%
XYZ	16.7189, 15.7376, 47.5039
YIQ	106.1880, -46.7230, 15.2690

Conversions

Conversions Part 2

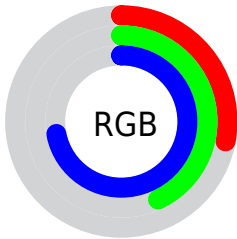
Format	Color
R_{YB}	71, 99, 184
Decimal	4681144
CIE _{Lab}	46.63, 10.20, -43.71
CIE _{LCh}	47, 44.884, 283.138
Yxy	15.7376, 0.2091, 0.1968
Android (android.graphics.Color)	4282871224 (0xFF476DB8)
YUV	106.1880, 38.3613, -30.8599
Hunter-Lab	39.6706, 5.8039, -43.2278

Details

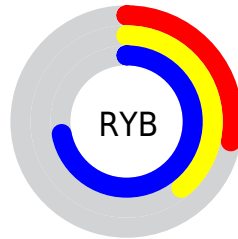
The XYZ color **16.7189, 15.7376, 47.5039** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **31.1844, 31.2046, 10.3417**, and the grayscale version is **13.6591, 14.3704, 15.6494**.

A 20% lighter version of the original color is **37.3522, 36.1000, 87.4374**, and **5.7519, 5.0570, 21.7920** is the 20% darker color. If you saturate the color by 10%, you get **14.3545, 12.7173, 47.0459**, and if you desaturate by 10%, it is **19.6741, 19.3316, 48.0422**.

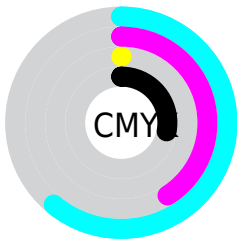
Distribution



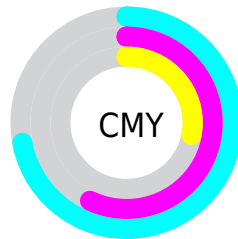
- Red (28%)
- Green (43%)
- Blue (72%)



- Red (28%)
- Yellow (39%)
- Blue (72%)



- Cyan (61%)
- Magenta (41%)
- Yellow (0%)
- Black (28%)



- Cyan (72%)
- Magenta (57%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.7189, 15.7376, 47.5039 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 16.7189, 15.7376, 47.5039 by changing the saturation by 10% instead.

■ 16.7189, 15.7376,
47.5039

■ 16.7189, 15.7376,
47.5039

226.7352,
227.7883, 393.2742

■ 10.1283, 9.3387,
33.0770

■ 37.3893, 36.1421,
87.8231

■ 5.5471, 4.9627,
21.9138

■ 52.1998, 50.9164,
114.5526

■ 2.6097, 2.2254,
13.5959

■ 70.4811, 69.2513,
146.2199

■ 0.9509, 0.7338,
7.7046

■ 92.5983, 91.5312,
183.2437

■ 0.0000, 0.0000,
3.8215

■ 118.9171,
118.1404, 226.0424

■ 0.0000, 0.0000,
1.5279

149.8025,

■ 0.0000, 0.0000,

149.4634, 275.0348

0.2386

185.6201,
185.8846, 330.6391

■ 0.0000, 0.0000,
0.0000

■ 16.7189, 15.7376,
47.5039

■ 16.7189, 15.7376,
47.5039

■ 14.3545, 12.7173,
47.0459

■ 19.6741, 19.3316,
48.0422

■ 12.5335, 10.2347,
46.6627

■ 23.2587, 23.5289,
48.6634

■ 11.2031, 8.2510,
46.3499

■ 27.5098, 28.3589,
49.3717

■ 10.3675, 6.8921,
46.1316

■ 32.4613, 33.8482,
50.1702

■ 38.1443, 40.0219,
51.0623

■ 44.5882, 46.9037,
52.0510

■ 51.8207, 54.5160,
53.1391

■ 59.8681, 62.8803,
54.3295

■ 68.7553, 72.0172,
55.6247

Harmonies

Analogous

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



12.8966, 15.7376, 46.7982



16.7189, 15.7376, 47.5039



20.6617, 15.7376, 37.9356

Triad

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



16.7189, 15.7376, 47.5039



21.0898, 15.7376, 6.2842



8.8937, 15.7376, 11.6547

Complementary

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



16.7189, 15.7376, 47.5039



31.1844, 31.2046, 10.3417

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.



10.4145, 15.7376, 5.7944



16.7189, 15.7376, 47.5039



17.2284, 15.7376, 3.7422

Square

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



16.7189, 15.7376, 47.5039



23.4639, 15.7376, 12.7231



13.3255, 15.7376, 3.6134



8.8053, 15.7376, 22.4658

Rectangle

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



16.7189, 15.7376, 47.5039



22.6502, 15.7376, 28.7175



13.3255, 15.7376, 3.6134



9.2405, 15.7376, 9.1804

Sweetspot

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



16.7195, 15.7381, 47.5043



61.9027, 64.7032, 91.4309



24.8083, 37.6485, 32.5266



12.7301, 13.2764, 19.6133



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.



16.7195, 15.7381, 47.5043



24.6460, 21.2191, 85.0013



14.9256, 10.0404, 46.4991



8.7613, 9.1998, 11.3934



7.2044, 4.8684, 31.8131



0.3126, 0.2888, 1.1410

Inverse Universe

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



24.7813, 15.8018, 16.2123



41.0844, 23.3575, 20.7449



34.2253, 42.9573, 12.4499



9.1259, 9.0607, 10.0102



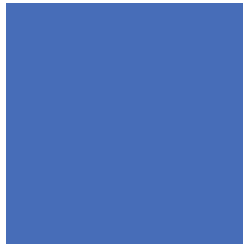
14.2501, 7.2738, 3.9379



0.5319, 0.2683, 0.2946

Previews

White Background



This preview shows how the XYZ color 16.7189, 15.7376, 47.5039 looks on a white background.

Color Contrast Check

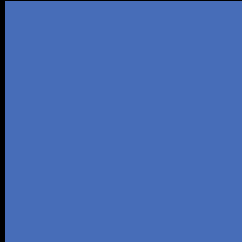
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.7189, 15.7376, 47.5039 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 16.7189, 15.7376, 47.5039

Background



This preview shows how black text looks on a background with the XYZ color 16.7189, 15.7376, 47.5039.



This preview shows how white text looks on a background with the XYZ color 16.7189, 15.7376,

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

16.7189, 15.7376, 47.5039

Protanopia

17.1343, 15.8063, 46.9476

Deuteranopia

16.2606, 15.8217, 47.5443



Tritanopia

11.9488, 15.8443, 23.5476

Trichromacy



Original Color

16.7189, 15.7376, 47.5039

Protanomaly

16.8903, 15.6805, 46.9362

Deuteranomaly

16.4076, 15.7364, 47.5200

Tritanomaly

13.3876, 15.7089, 31.1807

Monochromacy



Original Color

16.7189, 15.7376, 47.5039

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

14.0750, 14.5638, 24.6235

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7189, 15.7376, 47.5039 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(71, 109, 184)` looks like.

```
.text, #text, p{  
    color:rgb(71, 109, 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(71, 109, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 109, 184) }
```

Border

The CSS property to change the border of an element to XYZ 16.7189, 15.7376, 47.5039 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(71, 109, 184) }
```


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

```
.border{ border-color:rgb(71, 109, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 109, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 109, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 109, 184);  
box-shadow:4px 4px 4px 4px rgb(71, 109,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 16.7189, 15.7376, 47.5039 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 109, 184) }
```

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

```
.background{ background-color: rgb(71, 109,  
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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