

Converting Colors

XYZ(16.8680, 16.7945, 42.2414)

Have a look what the booklet for
XYZ(16.8680, 16.7945, 42.2414)
contains.

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Color

**XYZ(16.8817, 16.7529,
42.3883)**

Conversions

Conversions Part 1

Format	Color
Hex	4F72AE
RGB	79, 114, 174
RGB Percent	31%, 45%, 68%
CMY	0.6902, 0.5529, 0.3176
CMYK	0.55, 0.34, 0.00, 0.32
HSL	218°, 38%, 50%
HSV	218°, 55%, 68%
XYZ	16.8817, 16.7529, 42.3883
YIQ	110.3750, -40.1200, 11.2400

Conversions

Conversions Part 2

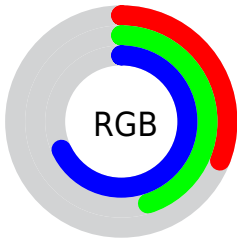
Format	Color
R _Y B	79, 105, 174
Decimal	5206702
CIE Lab	47.95, 5.42, -35.78
CIE LCh	48, 36.191, 278.619
Yxy	16.7529, 0.2221, 0.2204
Android (android.graphics.Color)	4283396782 (0xFF4F72AE)
YUV	110.3750, 31.3671, -27.5159
Hunter-Lab	40.9303, 1.9943, -32.7508

Details

The XYZ color **16.8817, 16.7529, 42.3883** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **28.1001, 28.0293, 11.3270**, and the grayscale version is **14.8502, 15.6235, 17.0140**.

A 20% lighter version of the original color is **37.7507, 38.0539, 80.2184**, and **5.6394, 5.4881, 18.8512** is the 20% darker color. If you saturate the color by 10%, you get **14.4533, 13.7703, 41.9409**, and if you desaturate by 10%, it is **19.8390, 20.2299, 42.9039**.

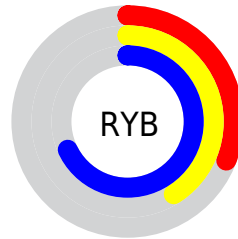
Distribution



Red (31%)

Green (45%)

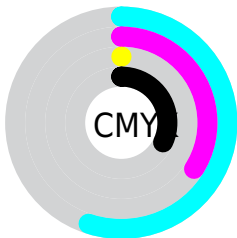
Blue (68%)



Red (31%)

Yellow (41%)

Blue (68%)

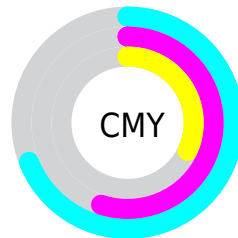


Cyan (55%)

Magenta (34%)

Yellow (0%)

Black (32%)



Cyan (69%)

Magenta (55%)

Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.8817, 16.7529, 42.3883 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 16.8817, 16.7529, 42.3883 by changing the saturation by 10% instead.

■ 16.8817, 16.7529,
42.3883

■ 16.8817, 16.7529,
42.3883

227.6593,
233.7444, 371.9371

■ 10.2450, 10.0585,
29.0776

■ 37.6675, 37.9004,
80.0634

■ 5.6252, 5.4377,
18.8935

■ 52.5472, 53.1223,
105.2649

■ 2.6570, 2.5063,
11.4173

■ 70.9054, 71.9555,
135.2671

■ 0.9751, 0.8798,
6.2306

■ 93.1073, 94.7844,
170.4885

■ 0.0000, 0.0000,
2.9147

■ 119.5182,
121.9933, 211.3476

■ 0.0000, 0.0000,
1.0513

150.5037,

■ 0.0000, 0.0000,

153.9666, 258.2631

0.0000

186.4289,
191.0889, 311.6534

■ 16.8817, 16.7529,
42.3883

■ 16.8817, 16.7529,
42.3883

■ 14.4533, 13.7703,
41.9409

■ 19.8390, 20.2299,
42.9039

■ 12.5166, 11.2542,
41.5573

■ 23.3555, 24.2233,
43.4894

■ 11.0317, 9.1761,
41.2345

■ 27.4609, 28.7560,
44.1479

■ 9.9506, 7.5024,
40.9684

■ 32.1824, 33.8486,
44.8820

■ 9.4793, 6.7346,
40.8451

■ 37.5455, 39.5208,
45.6942

■ 43.5738, 45.7911,
46.5867

■ 50.2902, 52.6772,
47.5619

■ 57.7161, 60.1960,
48.6218

■ 65.8721, 68.3638,
49.7685

Harmonies

Analogous

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



13.7442, 16.7529, 40.6010



16.8817, 16.7529, 42.3883



20.1673, 16.7529, 36.1827

Triad

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



16.8817, 16.7529, 42.3883



21.3435, 16.7529, 9.1698



10.7677, 16.7529, 12.4448

Complementary

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



16.8817, 16.7529, 42.3883



28.1001, 28.0293, 11.3270

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.



12.3205, 16.7529, 7.4982



16.8817, 16.7529, 42.3883



18.3209, 16.7529, 6.1062

Square

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



16.8817, 16.7529, 42.3883



22.9642, 16.7529, 15.6794



15.0015, 16.7529, 5.6214



10.4921, 16.7529, 21.0676

Rectangle

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



16.8817, 16.7529, 42.3883



21.9004, 16.7529, 29.2846



15.0015, 16.7529, 5.6214



11.1463, 16.7529, 10.3951

Sweetspot

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



16.8823, 16.7535, 42.3887



56.8498, 59.7660, 81.1766



22.9184, 33.7578, 29.1956



12.2408, 12.8599, 17.9814



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



16.8823, 16.7535, 42.3887



25.2303, 23.7245, 75.8864



14.6612, 10.8265, 41.3618



7.8115, 8.2224, 10.1281



6.9279, 4.9897, 29.6425



0.2459, 0.2452, 0.8424

Inverse Universe

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



23.2893, 15.8062, 17.7436



38.5167, 23.3288, 24.4272



31.6350, 38.6148, 13.1839



8.1227, 8.0623, 8.9568



13.3605, 6.8068, 4.2781



0.3985, 0.2001, 0.2604

Previews

White Background



This preview shows how the XYZ color 16.8817, 16.7529, 42.3883 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 16.8817, 16.7529, 42.3883 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

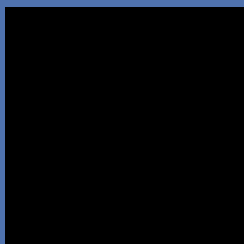
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

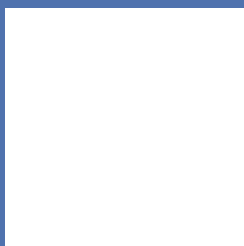
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.8817, 16.7529, 42.3883

Background



This preview shows how black text looks on a background with the XYZ color 16.8817, 16.7529, 42.3883.

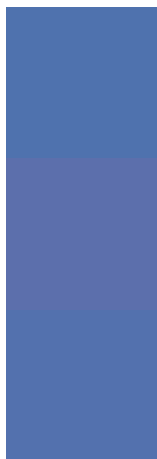


This preview shows how white text looks on a background with the XYZ color 16.8817, 16.7529,

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

16.8817, 16.7529, 42.3883

Protanopia

17.5445, 16.6227, 41.3135

Deuteranopia

17.1124, 16.7052, 42.3669



Tritanopia

13.2387, 16.6750, 24.3506

Trichromacy



Original Color

16.8817, 16.7529, 42.3883

Protanomaly

17.2675, 16.6317, 41.8353

Deuteranomaly

17.0248, 16.6601, 42.3628

Tritanomaly

14.3175, 16.5654, 30.0466

Monochromacy



Original Color

16.8817, 16.7529, 42.3883

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

15.0637, 15.7150, 24.4297

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8817, 16.7529, 42.3883 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(79, 114, 174)` looks like.

```
.text, #text, p{  
    color:rgb(79, 114, 174)  
}
```

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(79, 114, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 114, 174) }
```

Border

The CSS property to change the border of an element to XYZ 16.8817, 16.7529, 42.3883 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(79, 114, 174) }
```


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

```
.border{ border-color:rgb(79, 114, 174) }
```

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

Here you see how a box with a 4 pixel rgb(79, 114, 174) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 114, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 114, 174);  
box-shadow:4px 4px 4px 4px rgb(79, 114,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 16.8817, 16.7529, 42.3883 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 114, 174) }
```

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

```
.background{ background-color: rgb(79, 114,  
174) }
```

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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