

Converting Colors

XYZ(18.8072, 16.9746, 43.3604)

Have a look what the booklet for
XYZ(18.8072, 16.9746, 43.3604)
contains.

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Color

**XYZ(18.7846, 16.8966,
43.3456)**

Conversions

Conversions Part 1

Format	Color
Hex	666DB0
RGB	102, 109, 176
RGB Percent	40%, 43%, 69%
CMY	0.6000, 0.5725, 0.3098
CMYK	0.42, 0.38, 0.00, 0.31
HSL	234°, 32%, 55%
HSV	234°, 42%, 69%
XYZ	18.7846, 16.8966, 43.3456
YIQ	114.5450, -25.6790, 19.3530

Conversions

Conversions Part 2

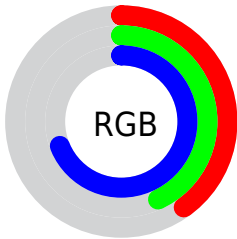
Format	Color
R _Y B	102, 108, 176
Decimal	6712752
CIE Lab	48.13, 14.82, -36.56
CIE LCh	48, 39.450, 292.072
Yxy	16.8966, 0.2377, 0.2138
Android (android.graphics.Color)	4284902832 (0xFF666DB0)
YUV	114.5450, 30.2973, -11.0020
Hunter-Lab	41.1055, 9.6373, -33.7473

Details

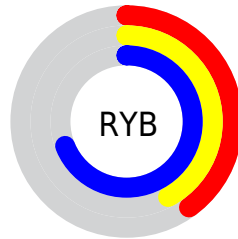
The XYZ color **18.7846, 16.8966, 43.3456** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **34.4915, 38.5664, 18.1975**, and the grayscale version is **16.0757, 16.9129, 18.4181**.

A 20% lighter version of the original color is **40.8466, 38.0357, 81.5327**, and **6.5644, 5.5283, 19.4600** is the 20% darker color. If you saturate the color by 10%, you get **15.4491, 12.8784, 42.7461**, and if you desaturate by 10%, it is **22.8531, 21.7507, 44.0684**.

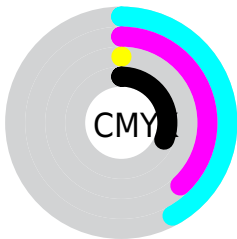
Distribution



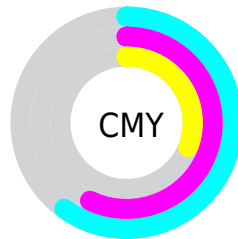
- Red (40%)
- Green (43%)
- Blue (69%)



- Red (40%)
- Yellow (42%)
- Blue (69%)



- Cyan (42%)
- Magenta (38%)
- Yellow (0%)
- Black (31%)



- Cyan (60%)
- Magenta (57%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.7846, 16.8966, 43.3456 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 18.7846, 16.8966, 43.3456 by changing the saturation by 10% instead.

■ 18.7846, 16.8966,
43.3456

■ 18.7846, 16.8966,
43.3456

238.2180,
234.5758, 375.9940

■ 11.6178, 10.1608,
29.8230

■ 40.8895, 38.1479,
81.5241

■ 6.5543, 5.5057,
19.4533

■ 56.5583, 53.4322,
107.0170

■ 3.2288, 2.5469,
11.8182

■ 75.7919, 72.3348,
137.3371

■ 1.2759, 0.9001,
6.4990

■ 98.9555, 95.2401,
172.9029

■ 0.1651, 0.0000,
3.0771

126.4146,
122.5324, 214.1329

■ 0.0000, 0.0000,
1.1342

158.5345,

■ 0.0000, 0.0000,

154.5962, 261.4458

0.0000

195.6805,
191.8159, 315.2600

■ 18.7846, 16.8966,
43.3456

■ 18.7846, 16.8966,
43.3456

■ 15.4491, 12.8784,
42.7461

■ 22.8531, 21.7507,
44.0684

■ 12.8008, 9.6470,
42.2620

■ 27.6926, 27.4825,
44.9197

■ 10.7921, 7.1510,
41.8861

■ 33.3410, 34.1329,
45.9057

■ 9.3683, 5.3320,
41.6100

■ 39.8331, 41.7401,
47.0318

■ 8.4650, 4.1227,
41.4242

■ 47.2014, 50.3397,
48.3034

■ 8.0315, 3.5246,
41.3316

■ 55.4771, 59.9659,
49.7252

■ 64.6895, 70.6509,
51.3021

■ 74.8667, 82.4258,
53.0385

■ 84.0196, 94.2807,
54.8443

Harmonies

Analogous

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



15.1299, 16.8966, 45.6060



18.7846, 16.8966, 43.3456



22.1169, 16.8966, 33.3504

Triad

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



18.7846, 16.8966, 43.3456



20.6678, 16.8966, 6.8259



10.1667, 16.8966, 15.8130

Complementary

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



18.7846, 16.8966, 43.3456



34.4915, 38.5664, 18.1975

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.



11.2237, 16.8966, 8.7538



18.7846, 16.8966, 43.3456



17.0269, 16.8966, 4.9739

Square

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



18.7846, 16.8966, 43.3456



23.3117, 16.8966, 11.9454



13.6120, 16.8966, 5.5174



10.4933, 16.8966, 26.8339

Rectangle

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



18.7846, 16.8966, 43.3456



23.5304, 16.8966, 25.1492



13.6120, 16.8966, 5.5174



10.3657, 16.8966, 12.9773

Sweetspot

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



18.7852, 16.8972, 43.3460



59.1777, 60.3882, 83.0324



28.1294, 36.7255, 42.9461



12.3247, 12.4991, 17.9073



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.



18.7852, 16.8972, 43.3460



28.6603, 24.1332, 77.6429



22.0419, 17.5116, 43.2929



8.1045, 8.3551, 10.6919



5.9132, 2.6268, 30.3323



0.2071, 0.1247, 0.9614

Inverse Universe

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



25.4168, 19.8378, 16.9579



42.3154, 30.4410, 23.2498



29.8495, 38.1582, 18.3633



8.5279, 8.5179, 9.0125



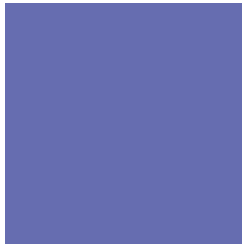
13.2194, 6.8053, 1.0492



0.4266, 0.2184, 0.0889

Previews

White Background



This preview shows how the XYZ color 18.7846, 16.8966, 43.3456 looks on a white background.

Color Contrast Check

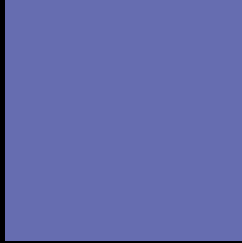
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.7846, 16.8966, 43.3456 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

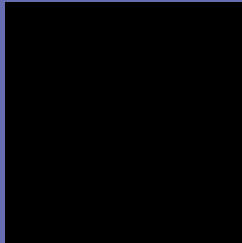
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.7846, 16.8966, 43.3456

Background



This preview shows how black text looks on a background with the XYZ color 18.7846, 16.8966, 43.3456.

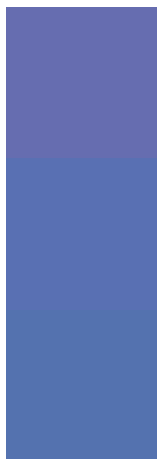


This preview shows how white text looks on a background with the XYZ color 18.7846, 16.8966,

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

18.7846, 16.8966, 43.3456

Protanopia

18.0507, 16.9669, 44.9714

Deuteranopia

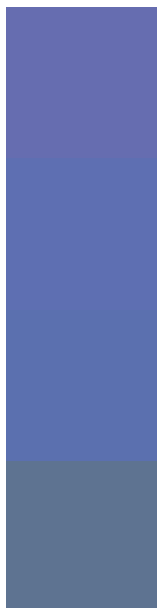
17.4113, 17.0146, 42.9239



Tritanopia

14.7096, 16.9258, 22.9138

Trichromacy



Original Color

18.7846, 16.8966, 43.3456

Protanomaly

18.3364, 16.9629, 44.4272

Deuteranomaly

17.8464, 16.9076, 42.8803

Tritanomaly

15.8577, 16.6855, 29.1729

Monochromacy



Original Color

18.7846, 16.8966, 43.3456

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

16.8509, 16.9314, 26.0469

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.7846, 16.8966, 43.3456 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(102, 109, 176)` looks like.

```
.text, #text, p{  
    color:rgb(102, 109, 176)  
}
```

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(102, 109, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 109, 176) }
```

Border

The CSS property to change the border of an element to XYZ 18.7846, 16.8966, 43.3456 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(102, 109, 176) }
```


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

```
.border{ border-color:rgb(102, 109, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 109, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 109, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 109, 176);  
box-shadow:4px 4px 4px 4px rgb(102, 109,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 18.7846, 16.8966, 43.3456 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 109, 176) }
```

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

```
.background{ background-color: rgb(102,  
109, 176) }
```

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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