

Converting Colors

XYZ(21.2119, 16.6901, 66.7177)

Have a look what the booklet for
XYZ(21.2119, 16.6901, 66.7177)
contains.

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Color

**XYZ(21.1405, 16.6815,
66.3956)**

Conversions

Conversions Part 1

Format	Color
Hex	5867D7
RGB	88, 103, 215
RGB Percent	35%, 40%, 84%
CMY	0.6549, 0.5961, 0.1569
CMYK	0.59, 0.52, 0.00, 0.16
HSL	233°, 61%, 59%
HSV	233°, 59%, 84%
XYZ	21.1405, 16.6815, 66.3956
YIQ	111.2830, -44.8920, 31.6520

Conversions

Conversions Part 2

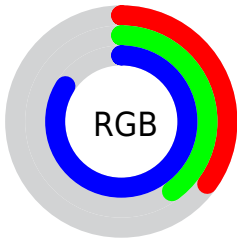
Format	Color
R_{YB}	88, 101, 215
Decimal	5793751
CIE _{Lab}	47.86, 27.70, -59.50
CIE _{LCh}	48, 65.634, 294.965
Yxy	16.6815, 0.2028, 0.1601
Android (android.graphics.Color)	4283983831 (0xFF5867D7)
YUV	111.2830, 51.1325, -20.4192
Hunter-Lab	40.8430, 20.9171, -67.7935

Details

The XYZ color **21.1405, 16.6815, 66.3956** is a dark color, and the websafe version is hex **6666CC**. The color can be described as middle muted azure. A complement of this color would be **50.4420, 56.4634, 17.4739**, and the grayscale version is **15.0578, 15.8420, 17.2519**.

A 20% lighter version of the original color is **41.8183, 36.6271, 99.4734**, and **7.7337, 5.4359, 33.4425** is the 20% darker color. If you saturate the color by 10%, you get **17.7202, 12.4290, 65.7554**, and if you desaturate by 10%, it is **25.5899, 22.0996, 67.2073**.

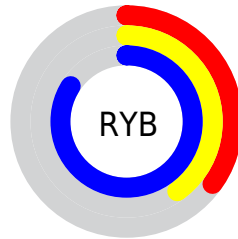
Distribution



Red (35%)

Green (40%)

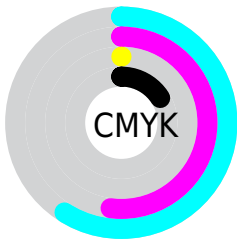
Blue (84%)



Red (35%)

Yellow (40%)

Blue (84%)

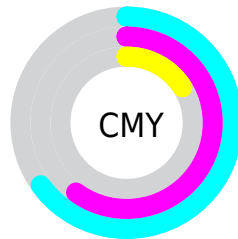


Cyan (59%)

Magenta (52%)

Yellow (0%)

Black (16%)



Cyan (65%)

Magenta (60%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.1405, 16.6815, 66.3956 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 21.1405, 16.6815, 66.3956 by changing the saturation by 10% instead.

■ 21.1405, 16.6815,
66.3956

■ 21.1405, 16.6815,
66.3956

250.7418,
233.3302, 466.2331

■ 13.3398, 10.0077,
48.1351

■ 44.8108, 37.7773,
115.6863

■ 7.7415, 5.4040,
33.5731

■ 61.4110, 52.9682,
147.5537

■ 3.9804, 2.4862,
22.2912

■ 81.6752, 71.7667,
184.7937

■ 1.6911, 0.8697,
13.8706

■ 105.9686, 94.5575,
227.8250

■ 0.4507, 0.0000,
7.8930

134.6566,
121.7248, 277.0660

■ 0.0000, 0.0000,
3.9398

168.1046,

■ 0.0000, 0.0000,

153.6531, 332.9353

1.5924

206.6779,
190.7268, 395.8515

■ 0.0000, 0.0000,
0.2854

■ 0.0000, 0.0000,
0.0000

■ 21.1405, 16.6815,
66.3956

■ 21.1405, 16.6815,
66.3956

■ 17.7202, 12.4290,
65.7554

■ 25.5899, 22.0996,
67.2073

■ 15.2430, 9.2539,
65.2731

■ 31.1406, 28.7595,
68.2002

■ 13.6124, 7.0576,
64.9352

■ 37.8607, 36.7326,
69.3850

■ 12.6864, 5.7102,
64.7239

■ 45.8123, 46.0847,
70.7710

■ 12.6217, 5.6182,
64.7095

■ 55.0530, 56.8768,
72.3671

■ 65.6368, 69.1664,
74.1814

■ 77.6144, 83.0078,
76.2218

■ 89.1680, 97.4907,
78.4083

■ 89.2658, 97.6863,
78.4409

Harmonies

Analogous

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



14.8804, 16.6815, 73.5425



21.1405, 16.6815, 66.3956



27.0739, 16.6815, 43.9222

Triad

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



21.1405, 16.6815, 66.3956



23.2989, 16.6815, 2.4360



7.0279, 16.6815, 15.4588

Complementary

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



21.1405, 16.6815, 66.3956



50.4420, 56.4634, 17.4739

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.



8.2633, 16.6815, 5.1689



21.1405, 16.6815, 66.3956



16.8718, 16.6815, 1.2169

Square

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



21.1405, 16.6815, 66.3956



28.5212, 16.6815, 7.6133



11.5337, 16.6815, 1.7627



7.6352, 16.6815, 35.6127

Rectangle

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



21.1405, 16.6815, 66.3956



29.5259, 16.6815, 27.9605



11.5337, 16.6815, 1.7627



7.2301, 16.6815, 10.9725

Sweetspot

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



21.1413, 16.6820, 66.3960



68.5510, 69.1464, 104.3413



38.5266, 54.7566, 62.0057



13.8849, 13.8766, 22.1966



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



21.1413, 16.6820, 66.3960



24.9919, 16.9172, 96.5559



25.6789, 17.0022, 66.2187



11.8595, 12.2425, 15.6755



7.5896, 3.4410, 38.7173



0.4981, 0.2881, 2.3487

Inverse Universe

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



33.9630, 22.4070, 15.3671



45.7659, 26.9831, 13.7006



42.3038, 57.6786, 18.1374



12.4823, 12.4444, 13.2141



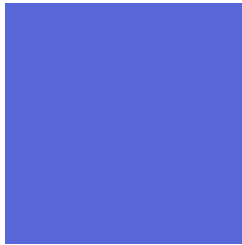
16.8897, 8.6922, 1.4575



1.0390, 0.5324, 0.1950

Previews

White Background



This preview shows how the XYZ color 21.1405, 16.6815, 66.3956 looks on a white background.

Color Contrast Check

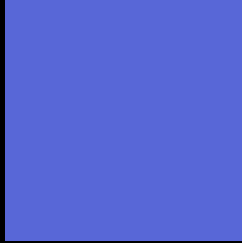
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.1405, 16.6815, 66.3956 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

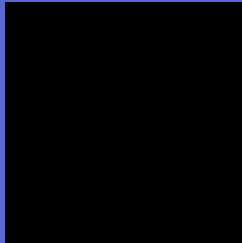
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.1405, 16.6815, 66.3956

Background



This preview shows how black text looks on a background with the XYZ color 21.1405, 16.6815, 66.3956.



This preview shows how white text looks on a background with the XYZ color 21.1405, 16.6815,

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

21.1405, 16.6815, 66.3956

Protanopia

19.6922, 16.7467, 71.3018

Deuteranopia

16.9102, 16.5733, 58.8076



Tritanopia

12.7328, 16.5894, 24.7213

Trichromacy



Original Color

21.1405, 16.6815, 66.3956

Protanomaly

19.9074, 16.5905, 69.1709

Deuteranomaly

17.5426, 16.1809, 61.2301

Tritanomaly

15.0362, 16.2589, 36.9961

Monochromacy



Original Color

21.1405, 16.6815, 66.3956

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

16.3809, 15.7786, 30.6160

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.1405, 16.6815, 66.3956 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(88, 103, 215)` looks like.

```
.text, #text, p{  
    color:rgb(88, 103, 215)  
}
```

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(88, 103, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 103, 215) }
```

Border

The CSS property to change the border of an element to XYZ 21.1405, 16.6815, 66.3956 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(88, 103, 215) }
```


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

```
.border{ border-color:rgb(88, 103, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 103, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 103, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 103, 215);  
box-shadow:4px 4px 4px 4px rgb(88, 103,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 21.1405, 16.6815, 66.3956 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 103, 215) }
```

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

```
.background{ background-color: rgb(88, 103,  
215) }
```

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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