

Converting Colors

XYZ(21.1661, 17.1457, 66.4838)

Have a look what the booklet for
XYZ(21.1661, 17.1457, 66.4838)
contains.

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Color

**XYZ(21.1661, 17.1457,
66.4838)**

Conversions

Conversions Part 1

Format	Color
Hex	556AD7
RGB	85, 106, 215
RGB Percent	33%, 42%, 84%
CMY	0.6666, 0.5843, 0.1569
CMYK	0.60, 0.51, 0.00, 0.16
HSL	230°, 62%, 59%
HSV	230°, 60%, 84%
XYZ	21.1661, 17.1457, 66.4838
YIQ	112.1470, -47.5050, 29.4470

Conversions

Conversions Part 2

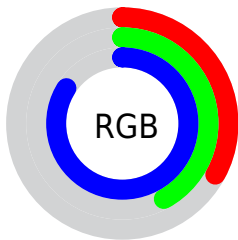
Format	Color
R _Y B	85, 103, 215
Decimal	5597911
CIE Lab	48.44, 25.29, -58.57
CIE LCh	48, 63.794, 293.359
Yxy	17.1457, 0.2020, 0.1636
Android (android.graphics.Color)	4283787991 (0xFF556AD7)
YUV	112.1470, 50.7065, -23.8079
Hunter-Lab	41.4074, 18.7805, -66.2111

Details

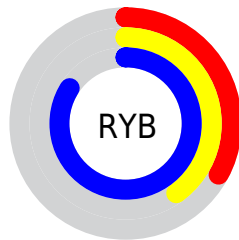
The XYZ color **21.1661, 17.1457, 66.4838** is a dark color, and the websafe version is hex **6666CC**. The color can be described as middle muted azure. A complement of this color would be **48.9576, 53.6895, 16.3785**, and the grayscale version is **15.3109, 16.1083, 17.5419**.

A 20% lighter version of the original color is **41.7840, 37.3537, 99.6155**, and **7.8220, 5.6311, 33.4755** is the 20% darker color. If you saturate the color by 10%, you get **17.8358, 12.9549, 65.8508**, and if you desaturate by 10%, it is **25.4813, 22.4242, 67.2756**.

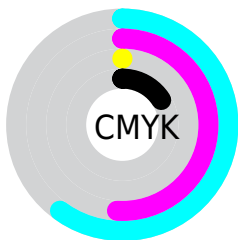
Distribution



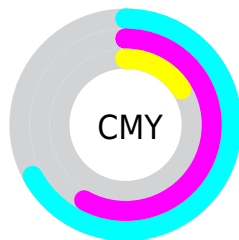
- Red (33%)
- Green (42%)
- Blue (84%)



- Red (33%)
- Yellow (40%)
- Blue (84%)



- Cyan (60%)
- Magenta (51%)
- Yellow (0%)
- Black (16%)



- Cyan (67%)
- Magenta (58%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.1661, 17.1457, 66.4838 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 21.1661, 17.1457, 66.4838 by changing the saturation by 10% instead.

■ 21.1661, 17.1457,
66.4838

■ 21.1661, 17.1457,
66.4838

250.8749,
236.0106, 466.5565

■ 13.3586, 10.3384,
48.2063

■ 44.8530, 38.5761,
115.8141

■ 7.7547, 5.6239,
33.6291

■ 61.4631, 53.9680,
147.7039

■ 3.9888, 2.6178,
22.3338

■ 81.7382, 72.9903,
184.9682

■ 1.6958, 0.9356,
13.9017

■ 106.0436, 96.0273,
228.0256

■ 0.4537, 0.0000,
7.9144

134.7446,
123.4635, 277.2946

■ 0.0000, 0.0000,
3.9532

168.2065,

■ 0.0000, 0.0000,

155.6831, 333.1937

1.5997

206.7949,
193.0707, 396.1415

■ 0.0000, 0.0000,
0.2906

■ 0.0000, 0.0000,
0.0000

■ 21.1661, 17.1457,
66.4838

■ 21.1661, 17.1457,
66.4838

■ 17.8358, 12.9549,
65.8508

■ 25.4813, 22.4242,
67.2756

■ 15.4077, 9.7722,
65.3645

■ 30.8503, 28.8589,
68.2347

■ 13.7890, 7.5091,
65.0129

■ 37.3384, 36.5145,
69.3704

■ 12.8587, 6.0921,
64.7885

■ 45.0046, 45.4504,
70.6911

■ 53.9041, 55.7221,
72.2047

■ 64.0884, 67.3815,
73.9184

■ 75.6061, 80.4782,
75.8393

■ 87.7608, 94.6762,
77.9392

■ 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.



15.0322, 17.1457, 72.2884



21.1661, 17.1457, 66.4838



27.0681, 17.1457, 45.1864

Triad

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



21.1661, 17.1457, 66.4838



23.9577, 17.1457, 2.9282



7.4944, 17.1457, 15.1916

Complementary

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



21.1661, 17.1457, 66.4838



48.9576, 53.6895, 16.3785

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.



8.8454, 17.1457, 5.3027



21.1661, 17.1457, 66.4838



17.6297, 17.1457, 1.4811

Square

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



21.1661, 17.1457, 66.4838



28.9303, 17.1457, 8.6011



12.2376, 17.1457, 1.9744



8.0092, 17.1457, 34.5416

Rectangle

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



21.1661, 17.1457, 66.4838



29.5952, 17.1457, 29.4743



12.2376, 17.1457, 1.9744



7.7322, 17.1457, 10.8913

Sweetspot

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



21.1669, 17.1462, 66.4843



69.0603, 70.1649, 104.5111



37.7105, 54.3980, 59.1605



14.0067, 14.1201, 22.2372



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.



21.1669, 17.1462, 66.4843



24.9473, 17.3870, 96.6489



24.4679, 16.0198, 66.0929



11.9030, 12.3294, 15.6900



7.7420, 3.7459, 38.7681



0.5185, 0.3290, 2.3555

Inverse Universe

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



33.8751, 21.9859, 16.0942



45.6069, 26.3970, 14.4741



42.8813, 57.9904, 17.5289



12.5042, 12.4532, 13.3296



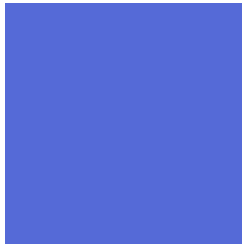
16.9667, 8.7230, 1.8627



1.0494, 0.5365, 0.2493

Previews

White Background



This preview shows how the XYZ color 21.1661, 17.1457, 66.4838 looks on a white background.

Color Contrast Check

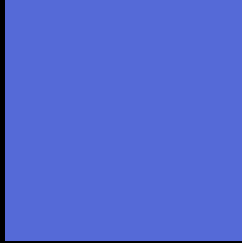
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.1661, 17.1457, 66.4838 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

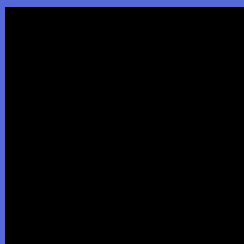
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.1661, 17.1457, 66.4838

Background



This preview shows how black text looks on a background with the XYZ color 21.1661, 17.1457, 66.4838.



This preview shows how white text looks on a background with the XYZ color 21.1661, 17.1457,

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

21.1661, 17.1457, 66.4838

Protanopia

20.0189, 17.2663, 69.9878

Deuteranopia

17.5019, 17.1788, 60.7859



Tritanopia

12.9257, 17.0449, 25.5304

Trichromacy



Original Color

21.1661, 17.1457, 66.4838

Protanomaly

20.2379, 17.0892, 68.5616

Deuteranomaly

17.9788, 16.7050, 62.5984

Tritanomaly

15.1037, 16.6293, 37.5357

Monochromacy



Original Color

21.1661, 17.1457, 66.4838

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

16.4802, 16.1466, 30.6818

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.1661, 17.1457, 66.4838 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(85, 106, 215)` looks like.

```
.text, #text, p{  
    color:rgb(85, 106, 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(85, 106, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 106, 215) }
```

Border

The CSS property to change the border of an element to XYZ 21.1661, 17.1457, 66.4838 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(85, 106, 215) }
```


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

```
.border{ border-color:rgb(85, 106, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 106, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 106, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 106, 215);  
box-shadow:4px 4px 4px 4px rgb(85, 106,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 21.1661, 17.1457, 66.4838 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 106, 215) }
```

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

```
.background{ background-color: rgb(85, 106,  
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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