

Converting Colors

XYZ(21.0282, 14.7768, 60.6617)

Have a look what the booklet for
XYZ(21.0282, 14.7768, 60.6617)
contains.

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Color

**XYZ(21.0589, 14.7357,
60.7658)**

Conversions

Conversions Part 1

Format	Color
Hex	6D58CF
RGB	109, 88, 207
RGB Percent	43%, 35%, 81%
CMY	0.5725, 0.6549, 0.1882
CMYK	0.47, 0.57, 0.00, 0.19
HSL	251°, 55%, 58%
HSV	251°, 57%, 81%
XYZ	21.0589, 14.7357, 60.7658
YIQ	107.8450, -25.6830, 41.4610

Conversions

Conversions Part 2

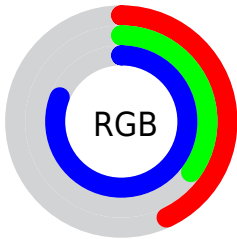
Format	Color
R _Y B	109, 88, 207
Decimal	7166159
CIE Lab	45.27, 38.46, -59.03
CIE LCh	45, 70.449, 303.087
Yxy	14.7357, 0.2181, 0.1526
Android (android.graphics.Color)	4285356239 (0xFF6D58CF)
YUV	107.8450, 48.8834, 1.0129
Hunter-Lab	38.3871, 30.7464, -66.9836

Details

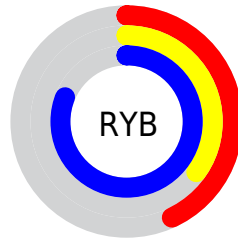
The XYZ color **21.0589, 14.7357, 60.7658** is a dark color, and the websafe version is hex **6666CC**. The color can be described as dark muted purple. A complement of this color would be **44.3235, 55.7692, 17.6613**, and the grayscale version is **14.0839, 14.8173, 16.1361**.

A 20% lighter version of the original color is **43.0085, 33.7922, 98.8635**, and **7.7271, 4.5058, 30.1682** is the 20% darker color. If you saturate the color by 10%, you get **17.6971, 10.8284, 60.1891**, and if you desaturate by 10%, it is **25.3111, 19.8182, 61.5230**.

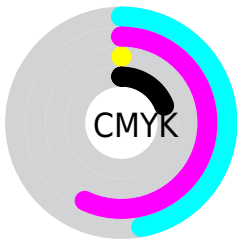
Distribution



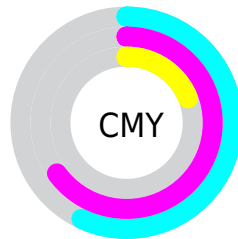
- Red (43%)
- Green (35%)
- Blue (81%)



- Red (43%)
- Yellow (35%)
- Blue (81%)



- Cyan (47%)
- Magenta (57%)
- Yellow (0%)
- Black (19%)



- Cyan (57%)
- Magenta (65%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.0589, 14.7357, 60.7658 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 21.0589, 14.7357, 60.7658 by changing the saturation by 10% instead.

■ 21.0589, 14.7357,
60.7658

■ 21.0589, 14.7357,
60.7658

250.3171,
221.7609, 445.2975

■ 13.2798, 8.6341,
43.6069

■ 44.6761, 34.3888,
107.4940

■ 7.6998, 4.5033,
30.0266

■ 61.2448, 48.7092,
137.9003

■ 3.9536, 1.9589,
19.6066

■ 81.4742, 66.5379,
173.5595

■ 1.6759, 0.5834,
11.9282

■ 105.7295, 88.2594,
214.8901

■ 0.4411, 0.0000,
6.5728

■ 134.3760,
114.2580, 262.3107

■ 0.0000, 0.0000,
3.1221

167.7793,

■ 0.0000, 0.0000,

144.9182, 316.2397

1.1573

206.3045,
180.6244, 377.0958

■ 0.0000, 0.0000,
0.0000

■ 21.0589, 14.7357,
60.7658

■ 21.0589, 14.7357,
60.7658

■ 17.6971, 10.8284,
60.1891

■ 25.3111, 19.8182,
61.5230

■ 15.1579, 7.9986,
59.7767

■ 30.5104, 26.1598,
62.4731

■ 13.3668, 6.1349,
59.5114

■ 36.7111, 33.8385,
63.6284

■ 12.2262, 5.0856,
59.3690

■ 43.9629, 42.9254,
65.0001

■ 12.0089, 4.8898,
59.3427

■ 52.3119, 53.4865,
66.5986

■ 61.8018, 65.5837,
68.4334

■ 72.4734, 79.2752,
70.5137

■ 84.3658, 94.6164,
72.8480

■ 88.2625, 97.2850,
73.1577

Harmonies

Analogous

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



14.6181, 14.7357, 74.1812



21.0589, 14.7357, 60.7658



26.5661, 14.7357, 35.4017

Triad

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



21.0589, 14.7357, 60.7658



19.7164, 14.7357, 1.0685



5.5302, 14.7357, 17.8360

Complementary

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



21.0589, 14.7357, 60.7658



44.3235, 55.7692, 17.6613

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.



6.2002, 14.7357, 5.4596



21.0589, 14.7357, 60.7658



13.4109, 14.7357, 0.5387

Square

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



21.0589, 14.7357, 60.7658



25.6520, 14.7357, 4.1265



8.7349, 14.7357, 1.3784



6.5574, 14.7357, 40.7222

Rectangle

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



21.0589, 14.7357, 60.7658



28.3394, 14.7357, 20.2268



8.7349, 14.7357, 1.3784



5.5654, 14.7357, 12.4828

Sweetspot

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



21.0596, 14.7362, 60.7662



70.8102, 69.2390, 104.2401



33.0930, 42.1915, 65.4314



14.6184, 14.1431, 22.2094



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.



21.0596, 14.7362, 60.7662



27.2930, 16.1409, 96.2847



30.7594, 19.7366, 61.2201



11.3555, 11.5166, 14.8681



7.6227, 3.1099, 37.3910



0.4869, 0.2052, 2.0935

Inverse Universe

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



38.0847, 23.7902, 49.0376



57.4867, 32.2380, 73.6748



32.9266, 49.8939, 17.1279



12.2175, 11.9717, 14.4212



20.8431, 10.2101, 25.1436



1.1895, 0.5805, 1.5326

Previews

White Background



This preview shows how the XYZ color 21.0589, 14.7357, 60.7658 looks on a white background.

Color Contrast Check

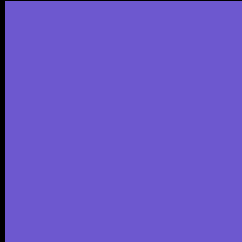
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.0589, 14.7357, 60.7658 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

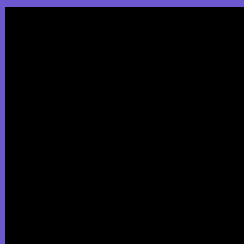
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.0589, 14.7357, 60.7658

Background



This preview shows how black text looks on a background with the XYZ color 21.0589, 14.7357, 60.7658.



This preview shows how white text looks on a background with the XYZ color 21.0589, 14.7357,

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

21.0589, 14.7357, 60.7658

Protanopia

17.6364, 14.8150, 68.9479

Deuteranopia

14.8726, 14.6989, 51.3435



Tritanopia

12.8209, 14.6562, 19.9225

Trichromacy



Original Color

21.0589, 14.7357, 60.7658



Protanomaly

17.5085, 14.0928, 66.0874



Deuteranomaly

15.6068, 13.7897, 54.6624



Tritanomaly

15.1338, 14.3472, 31.6774

Monochromacy



Original Color

21.0589, 14.7357, 60.7658



Achromatopsia

14.2537, 14.9960, 16.3306



Achromatomaly

15.8721, 14.5091, 28.3495

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.0589, 14.7357, 60.7658 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(109, 88, 207)` looks like.

```
.text, #text, p{  
    color:rgb(109, 88, 207)  
}
```

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(109, 88, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 88, 207) }
```

Border

The CSS property to change the border of an element to XYZ 21.0589, 14.7357, 60.7658 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(109, 88, 207) }
```


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

```
.border{ border-color:rgb(109, 88, 207) }
```

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

Here you see how a box with a 4 pixel rgb(109, 88, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 88, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 88, 207);  
box-shadow:4px 4px 4px 4px rgb(109, 88,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 21.0589, 14.7357, 60.7658 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 88, 207) }
```

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

```
.background{ background-color: rgb(109, 88,  
207) }
```

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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