

Converting Colors

XYZ(21.5008, 11.3849, 85.2086)

Have a look what the booklet for
XYZ(21.5008, 11.3849, 85.2086)
contains.

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Color

**XYZ(21.5146, 11.4118,
85.0731)**

Conversions

Conversions Part 1

Format	Color
Hex	5839F2
RGB	88, 57, 242
RGB Percent	35%, 22%, 95%
CMY	0.6549, 0.7765, 0.0510
CMYK	0.64, 0.76, 0.00, 0.05
HSL	250°, 88%, 59%
HSV	250°, 76%, 95%
XYZ	21.5146, 11.4118, 85.0731
YIQ	87.3590, -40.9090, 64.1070

Conversions

Conversions Part 2

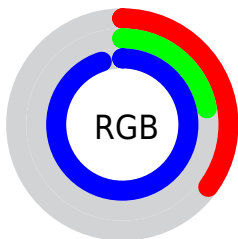
Format	Color
R _Y B	88, 57, 242
Decimal	5782002
CIE Lab	40.27, 62.20, -87.20
CIE LCh	40, 107.107, 305.499
Yxy	11.4118, 0.1823, 0.0967
Android (android.graphics.Color)	4283972082 (0xFF5839F2)
YUV	87.3590, 76.2380, 0.5622
Hunter-Lab	33.7814, 54.5653, -125.6657

Details

The XYZ color **21.5146, 11.4118, 85.0731** is a dark color, and the websafe version is hex **6633FF**. The color can be described as dark washed blue. A complement of this color would be **59.3521, 77.6474, 15.7299**, and the grayscale version is **8.9841, 9.4520, 10.2932**.

A 20% lighter version of the original color is **37.0362, 25.1258, 97.5055**, and **8.6517, 3.4607, 45.5594** is the 20% darker color. If you saturate the color by 10%, you get **18.9398, 8.7114, 84.6879**, and if you desaturate by 10%, it is **25.1871, 15.5229, 85.6734**.

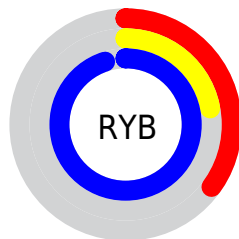
Distribution



Red (35%)

Green (22%)

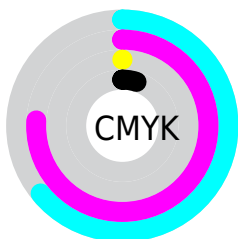
Blue (95%)



Red (35%)

Yellow (22%)

Blue (95%)

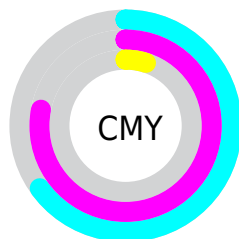


Cyan (64%)

Magenta (76%)

Yellow (0%)

Black (5%)



Cyan (65%)

Magenta (78%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.5146, 11.4118, 85.0731 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 21.5146, 11.4118, 85.0731 by changing the saturation by 10% instead.

■ 21.5146, 11.4118,
85.0731

■ 21.5146, 11.4118,
85.0731

252.6811,
200.4714, 532.0208

■ 13.6153, 6.3445,
63.3513

■ 45.4273, 28.4192,
142.3504

■ 7.9335, 3.0557,
45.6826

■ 62.1713, 41.1281,
178.7429

■ 4.1039, 1.1609,
31.6486

■ 82.5943, 57.1530,
220.8628

■ 1.7611, 0.0294,
20.8306

■ 107.0616, 76.8783,
269.1285

■ 0.4940, 0.0000,
12.8102

■ 135.9386,
100.6884, 323.9586

■ 0.0000, 0.0000,
7.1688

■ 169.5906,

■ 0.0000, 0.0000,

128.9677, 385.7717

3.4879

208.3830,
162.1005, 454.9862

■ 0.0000, 0.0000,
1.3488

■ 0.0000, 0.0000,
0.1013

■ 21.5146, 11.4118,
85.0731

■ 21.5146, 11.4118,
85.0731

■ 18.9398, 8.7114,
84.6879

■ 25.1871, 15.5229,
85.6734

■ 17.3262, 7.2191,
84.4849

■ 30.0659, 21.2075,
86.5135

■ 16.9242, 6.8733,
84.4394

■ 36.2487, 28.6064,
87.6158

■ 43.8222, 37.8445,
88.9997

■ 52.8656, 49.0349,
90.6831

■ 63.4520, 62.2815,
92.6819

■ 75.6494, 77.6809,
95.0114

■ 89.5221, 95.3234,
97.6856

■ 93.0271, 99.1908,
98.2474

Harmonies

Analogous

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



12.2829, 11.4118, 114.9089



21.5146, 11.4118, 85.0731



29.8823, 11.4118, 38.5006

Triad

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



21.5146, 11.4118, 85.0731



17.9642, 11.4118, 0.0000



1.9089, 11.4118, 16.8019

Complementary

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



21.5146, 11.4118, 85.0731



59.3521, 77.6474, 15.7299

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.



2.3210, 11.4118, 1.9799



21.5146, 11.4118, 85.0731



9.5268, 11.4118, 0.0000

Square

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



21.5146, 11.4118, 85.0731



27.2566, 11.4118, 0.5053



4.4588, 11.4118, 0.0000



2.8495, 11.4118, 54.9223

Rectangle

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



21.5146, 11.4118, 85.0731



32.4061, 11.4118, 15.9429



4.4588, 11.4118, 0.0000



1.9021, 11.4118, 9.4677

Sweetspot

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



21.5154, 11.4120, 85.0734



63.3728, 60.0056, 102.8499



41.0500, 53.9520, 92.2549



12.6870, 11.7497, 21.8492



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.



21.5154, 11.4120, 85.0734



20.1541, 8.6866, 95.2222



36.3901, 19.0802, 85.7696



15.1441, 15.3560, 19.8874



9.1682, 3.7318, 45.3650



0.8340, 0.3472, 3.7773

Inverse Universe

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



49.8378, 26.5061, 64.1114



53.8502, 26.7157, 67.0654



40.0527, 67.6982, 14.8267



16.3339, 15.9833, 19.3143



25.4068, 12.4352, 31.1226



2.1435, 1.0464, 2.7464

Previews

White Background



This preview shows how the XYZ color 21.5146, 11.4118, 85.0731 looks on a white background.

Color Contrast Check

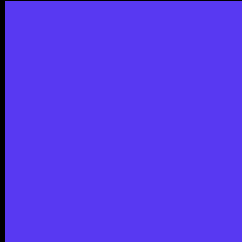
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.5146, 11.4118, 85.0731 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

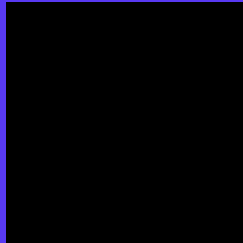
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.5146, 11.4118, 85.0731

Background



This preview shows how black text looks on a background with the XYZ color 21.5146, 11.4118, 85.0731.



This preview shows how white text looks on a background with the XYZ color 21.5146, 11.4118,

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

21.5146, 11.4118, 85.0731

Protanopia

13.1451, 11.2438, 50.7677

Deuteranopia

10.8856, 11.1937, 36.2372



Tritanopia

8.0322, 11.2954, 17.3797

Trichromacy



Original Color

21.5146, 11.4118, 85.0731

Protanomaly

15.0245, 10.5522, 62.2177

Deuteranomaly

13.1274, 10.1474, 51.1359

Tritanomaly

10.4306, 9.8246, 34.6043

Monochromacy



Original Color

21.5146, 11.4118, 85.0731

Achromatopsia

9.0590, 9.5307, 10.3790

Achromatomaly

11.4728, 9.1783, 27.1535

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.5146, 11.4118, 85.0731 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, 57, 242)` looks like.

```
.text, #text, p{  
    color:rgb(88, 57, 242)  
}
```

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, 57, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 57, 242) }
```

Border

The CSS property to change the border of an element to XYZ 21.5146, 11.4118, 85.0731 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, 57, 242) }
```


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

```
.border{ border-color:rgb(88, 57, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 57, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 57, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 57, 242);  
box-shadow:4px 4px 4px 4px rgb(88, 57,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 21.5146, 11.4118, 85.0731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 57, 242) }
```

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

```
.background{ background-color: rgb(88, 57,  
242) }
```

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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