

Converting Colors

XYZ(21.6547, 14.5207, 85.7033)

Have a look what the booklet for
XYZ(21.6547, 14.5207, 85.7033)
contains.

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Color

**XYZ(21.6311, 14.4802,
85.6593)**

Conversions

Conversions Part 1

Format	Color
Hex	4058F2
RGB	64, 88, 242
RGB Percent	25%, 35%, 95%
CMY	0.7490, 0.6549, 0.0510
CMYK	0.74, 0.64, 0.00, 0.05
HSL	232°, 87%, 60%
HSV	232°, 74%, 95%
XYZ	21.6311, 14.4802, 85.6593
YIQ	98.3800, -63.7380, 42.8060

Conversions

Conversions Part 2

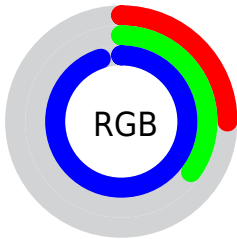
Format	Color
R _Y B	64, 85, 242
Decimal	4217074
CIE Lab	44.91, 42.71, -79.61
CIE LCh	45, 90.339, 298.214
Yxy	14.4802, 0.1776, 0.1189
Android (android.graphics.Color)	4282407154 (0xFF4058F2)
YUV	98.3800, 70.8047, -30.1513
Hunter-Lab	38.0529, 34.8756, -106.8284

Details

The XYZ color **21.6311, 14.4802, 85.6593** is a dark color, and the websafe version is hex **3366FF**. The color can be described as middle washed blue. A complement of this color would be **62.6193, 69.3983, 14.9473**, and the grayscale version is **11.5456, 12.1468, 13.2279**.

A 20% lighter version of the original color is **37.1302, 30.5479, 98.5471**, and **9.6208, 5.2305, 46.4015** is the 20% darker color. If you saturate the color by 10%, you get **18.9056, 10.8797, 85.1084**, and if you desaturate by 10%, it is **25.5338, 19.4200, 86.4075**.

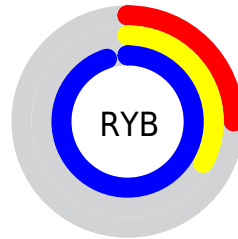
Distribution



Red (25%)

Green (35%)

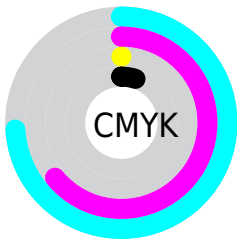
Blue (95%)



Red (25%)

Yellow (33%)

Blue (95%)

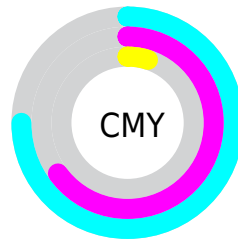


Cyan (74%)

Magenta (64%)

Yellow (0%)

Black (5%)



Cyan (75%)

Magenta (65%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.6311, 14.4802, 85.6593 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 21.6311, 14.4802, 85.6593 by changing the saturation by 10% instead.

■ 21.6311, 14.4802,
85.6593

■ 21.6311, 14.4802,
85.6593

253.2824,
220.1981, 534.0085

■ 13.7012, 8.4554,
63.8330

■ 45.6189, 33.9387,
143.1763

■ 7.9934, 4.3877,
46.0701

■ 62.4075, 48.1411,
179.7040

■ 4.1425, 1.8927,
31.9521

■ 82.8798, 65.8383,
221.9694

■ 1.7831, 0.5440,
21.0604

■ 107.4010, 87.4145,
270.3908

■ 0.5074, 0.0000,
12.9765

■ 136.3365,
113.2542, 325.3869

■ 0.0000, 0.0000,
7.2818

170.0516,

■ 0.0000, 0.0000,

143.7418, 387.3762

3.5579

208.9118,
179.2616, 456.7772

■ 0.0000, 0.0000,
1.3861

■ 0.0000, 0.0000,
0.1308

■ 21.6311, 14.4802,
85.6593

■ 21.6311, 14.4802,
85.6593

■ 18.9056, 10.8797,
85.1084

■ 25.5338, 19.4200,
86.4075

■ 17.2160, 8.4811,
84.7345

■ 30.7281, 25.8152,
87.3681

■ 16.5602, 7.4771,
84.5752

■ 37.3173, 33.7704,
88.5563

■ 45.3933, 43.3801,
89.9856

■ 55.0402, 54.7312,
91.6681

■ 66.3356, 67.9044,
93.6154

■ 79.3522, 82.9754,
95.8384

■ 93.0271, 99.1908,
98.2475

Harmonies

Analogous

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



13.3250, 14.4802, 101.4159



21.6311, 14.4802, 85.6593



29.7148, 14.4802, 48.3745

Triad

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



21.6311, 14.4802, 85.6593



22.6843, 14.4802, 0.0452



3.8870, 14.4802, 14.5323

Complementary

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



21.6311, 14.4802, 85.6593



62.6193, 69.3983, 14.9473

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.



4.8747, 14.4802, 2.5791



21.6311, 14.4802, 85.6593



14.2105, 14.4802, 0.0000

Square

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



21.6311, 14.4802, 85.6593



30.4605, 14.4802, 3.2933



8.0799, 14.4802, 0.0000



4.6564, 14.4802, 43.8842

Rectangle

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



21.6311, 14.4802, 85.6593



32.8798, 14.4802, 25.6223



8.0799, 14.4802, 0.0000



4.0143, 14.4802, 8.8308

Sweetspot

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



21.6319, 14.4805, 85.6597



63.7589, 63.7129, 103.5451



46.1722, 69.5169, 75.4785



12.9601, 12.8327, 22.0438



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.



21.6319, 14.4805, 85.6597



20.2633, 10.8256, 95.6293



26.5111, 14.5383, 85.4137



15.0690, 15.5721, 19.9331



8.9520, 4.1282, 45.4529



0.7983, 0.4506, 3.7991

Inverse Universe

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



40.2137, 23.2502, 11.6005



42.5576, 22.5544, 6.5027



51.4319, 73.5428, 16.3369



15.8595, 15.7935, 16.8164



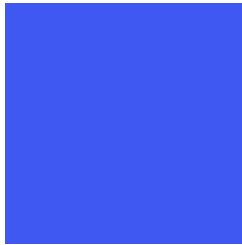
19.8442, 10.2101, 1.8300



1.6779, 0.8602, 0.2947

Previews

White Background



This preview shows how the XYZ color 21.6311, 14.4802, 85.6593 looks on a white background.

Color Contrast Check

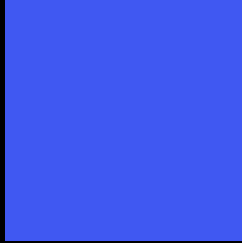
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.6311, 14.4802, 85.6593 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

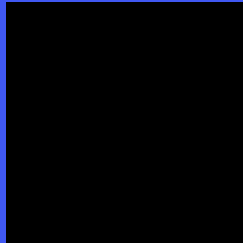
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.6311, 14.4802, 85.6593

Background



This preview shows how black text looks on a background with the XYZ color 21.6311, 14.4802, 85.6593.



This preview shows how white text looks on a background with the XYZ color 21.6311, 14.4802,

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

21.6311, 14.4802, 85.6593

Protanopia

17.0171, 14.4090, 66.1743

Deuteranopia

14.0143, 14.1858, 47.3469



Tritanopia

10.0630, 14.2032, 21.6132

Trichromacy



Original Color

21.6311, 14.4802, 85.6593

Protanomaly

18.2187, 14.1678, 73.0086

Deuteranomaly

16.0265, 13.8973, 59.5954

Tritanomaly

12.5753, 13.3174, 38.9535

Monochromacy



Original Color

21.6311, 14.4802, 85.6593

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

13.3455, 12.1858, 30.5029

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.6311, 14.4802, 85.6593 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(64, 88, 242)` looks like.

```
.text, #text, p{  
    color:rgb(64, 88, 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(64, 88, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 88, 242) }
```

Border

The CSS property to change the border of an element to XYZ 21.6311, 14.4802, 85.6593 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(64, 88, 242) }
```


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

```
.border{ border-color:rgb(64, 88, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 88, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 88, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 88, 242);  
box-shadow:4px 4px 4px 4px rgb(64, 88,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 21.6311, 14.4802, 85.6593 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 88, 242) }
```

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

```
.background{ background-color: rgb(64, 88,  
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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