

Converting Colors

XYZ(21.9367, 13.8519, 85.5225)

Have a look what the booklet for
XYZ(21.9367, 13.8519, 85.5225)
contains.

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Color

**XYZ(21.9499, 13.8322,
85.5174)**

Conversions

Conversions Part 1

Format	Color
Hex	4C51F2
RGB	76, 81, 242
RGB Percent	30%, 32%, 95%
CMY	0.7019, 0.6824, 0.0510
CMYK	0.69, 0.67, 0.00, 0.05
HSL	238°, 86%, 62%
HSV	238°, 69%, 95%
XYZ	21.9499, 13.8322, 85.5174
YIQ	97.8590, -54.6610, 49.0110

Conversions

Conversions Part 2

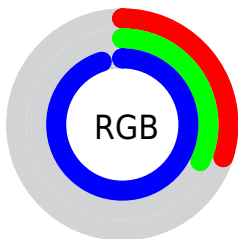
Format	Color
R _Y B	76, 81, 242
Decimal	5001714
CIE Lab	43.99, 48.18, -81.09
CIE LCh	44, 94.326, 300.715
Yxy	13.8322, 0.1810, 0.1140
Android (android.graphics.Color)	4283191794 (0xFF4C51F2)
YUV	97.8590, 71.0615, -19.1703
Hunter-Lab	37.1917, 40.2623, -110.2955

Details

The XYZ color **21.9499, 13.8322, 85.5174** is a dark color, and the websafe version is hex **6666FF**. The color can be described as middle washed blue. A complement of this color would be **68.2102, 79.9738, 18.6806**, and the grayscale version is **11.4144, 12.0088, 13.0776**.

A 20% lighter version of the original color is **37.6679, 29.3819, 98.2937**, and **9.2528, 4.6628, 45.7597** is the 20% darker color. If you saturate the color by 10%, you get **18.9228, 10.1145, 84.9597**, and if you desaturate by 10%, it is **26.3038, 19.1280, 86.3105**.

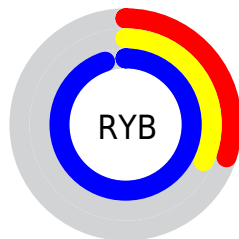
Distribution



Red (30%)

Green (32%)

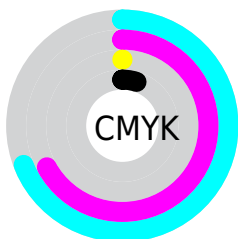
Blue (95%)



Red (30%)

Yellow (32%)

Blue (95%)

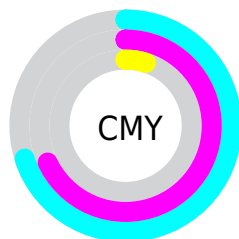


Cyan (69%)

Magenta (67%)

Yellow (0%)

Black (5%)



Cyan (70%)

Magenta (68%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.9499, 13.8322, 85.5174 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 21.9499, 13.8322, 85.5174 by changing the saturation by 10% instead.

■ 21.9499, 13.8322,
85.5174

■ 21.9499, 13.8322,
85.5174

254.9218,
216.1844, 533.5277

■ 13.9365, 8.0041,
63.7164

■ 46.1426, 32.7910,
142.9764

■ 8.1579, 4.0975,
45.9763

■ 63.0527, 46.6904,
179.4715

■ 4.2488, 1.7283,
31.8786

■ 83.6590, 64.0491,
221.7016

■ 1.8438, 0.4419,
21.0047

■ 108.3269, 85.2513,
270.0854

■ 0.5439, 0.0000,
12.9362

■ 137.4218,
110.6816, 325.0414

■ 0.0000, 0.0000,
7.2544

171.3090,

■ 0.0000, 0.0000,

140.7243, 386.9881

3.5409

210.3539,
175.7638, 456.3440

■ 0.0000, 0.0000,
1.3770

■ 0.0000, 0.0000,
0.1237

■ 21.9499, 13.8322,
85.5174

■ 21.9499, 13.8322,
85.5174

■ 18.9228, 10.1145,
84.9597

■ 26.3038, 19.1280,
86.3105

■ 17.0689, 7.7994,
84.6106

■ 32.1105, 26.1504,
87.3599

■ 16.1847, 6.6627,
84.4378

■ 39.4843, 35.0315,
88.6855

■ 16.1061, 6.5688,
84.4238

■ 48.5271, 45.8904,
90.3049

■ 59.3326, 58.8364,
92.2342

■ 71.9872, 73.9708,
94.4885

■ 86.5719, 91.3881,
97.0816

■ 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.



13.3274, 13.8322, 105.2532



21.9499, 13.8322, 85.5174



30.1117, 13.8322, 45.5446

Triad

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



21.9499, 13.8322, 85.5174



21.5153, 13.8322, 0.0000



3.3702, 13.8322, 15.5808

Complementary

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



21.9499, 13.8322, 85.5174



68.2102, 79.9738, 18.6806

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.



4.1675, 13.8322, 2.5596



21.9499, 13.8322, 85.5174



12.9684, 13.8322, 0.0000

Square

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



21.9499, 13.8322, 85.5174



29.8009, 13.8322, 2.2960



7.0826, 13.8322, 0.0000



4.2515, 13.8322, 47.4318

Rectangle

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



21.9499, 13.8322, 85.5174



33.0711, 13.8322, 22.7355



7.0826, 13.8322, 0.0000



3.4464, 13.8322, 9.3429

Sweetspot

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



21.9507, 13.8325, 85.5178



63.6286, 62.4401, 103.3063



49.9419, 71.1248, 90.8097



12.8842, 12.4844, 21.9806



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.



21.9507, 13.8325, 85.5178



20.4085, 10.2711, 95.5146



31.8383, 18.3993, 85.8782



14.9354, 15.3048, 19.8886



8.6698, 3.5638, 45.3588



0.7346, 0.3231, 3.7779

Inverse Universe

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



40.6884, 24.6416, 10.3963



42.8371, 23.4558, 5.5405



48.4782, 71.9764, 18.1770



15.7921, 15.7665, 16.4612



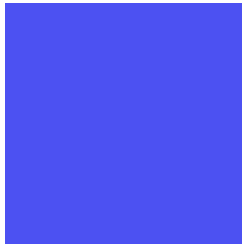
19.7017, 10.1531, 1.0798



1.6457, 0.8473, 0.1252

Previews

White Background



This preview shows how the XYZ color 21.9499, 13.8322, 85.5174 looks on a white background.

Color Contrast Check

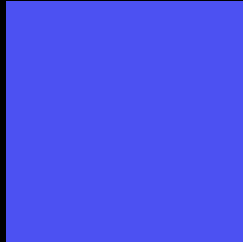
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.9499, 13.8322, 85.5174 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

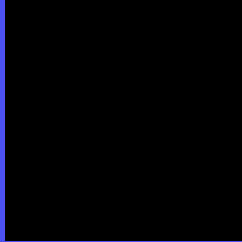
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.9499, 13.8322, 85.5174

Background



This preview shows how black text looks on a background with the XYZ color 21.9499, 13.8322, 85.5174.



This preview shows how white text looks on a background with the XYZ color 21.9499, 13.8322,

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

21.9499, 13.8322, 85.5174

Protanopia

16.0947, 13.5768, 62.7451

Deuteranopia

13.3923, 13.6034, 45.0999



Tritanopia

9.7059, 13.6915, 20.8701

Trichromacy



Original Color

21.9499, 13.8322, 85.5174

Protanomaly

17.4909, 13.1751, 70.7284

Deuteranomaly

15.5331, 13.1081, 58.2113

Tritanomaly

12.2121, 12.7005, 37.8842

Monochromacy



Original Color

21.9499, 13.8322, 85.5174

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

13.5486, 12.0300, 30.4621

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.9499, 13.8322, 85.5174 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(76, 81, 242)` looks like.

```
.text, #text, p{  
    color:rgb(76, 81, 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(76, 81, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 81, 242) }
```

Border

The CSS property to change the border of an element to XYZ 21.9499, 13.8322, 85.5174 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(76, 81, 242) }
```


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

```
.border{ border-color:rgb(76, 81, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 81, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 81, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 81, 242);  
box-shadow:4px 4px 4px 4px rgb(76, 81,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 21.9499, 13.8322, 85.5174 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 81, 242) }
```

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

```
.background{ background-color: rgb(76, 81,  
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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