

Converting Colors

XYZ(24.9858, 21.0077, 84.4015)

Have a look what the booklet for
XYZ(24.9858, 21.0077, 84.4015)
contains.

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Color

**XYZ(25.0441, 21.0814,
84.4105)**

Conversions

Conversions Part 1

Format	Color
Hex	4978EF
RGB	73, 120, 239
RGB Percent	29%, 47%, 94%
CMY	0.7137, 0.5294, 0.0627
CMYK	0.69, 0.50, 0.00, 0.06
HSL	223°, 84%, 61%
HSV	223°, 69%, 94%
XYZ	25.0441, 21.0814, 84.4105
YIQ	119.5130, -66.2110, 27.0450

Conversions

Conversions Part 2

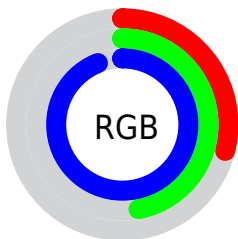
Format	Color
R _Y B	73, 110, 239
Decimal	4815087
CIE Lab	53.04, 22.97, -64.70
CIE LCh	53, 68.652, 289.545
Yxy	21.0814, 0.1919, 0.1615
Android (android.graphics.Color)	4283005167 (0xFF4978EF)
YUV	119.5130, 58.9071, -40.7919
Hunter-Lab	45.9145, 17.0126, -76.8603

Details

The XYZ color **25.0441, 21.0814, 84.4105** is a dark color, and the websafe version is hex **3366CC**. The color can be described as middle muted azure. A complement of this color would be **55.6517, 56.5359, 14.2845**, and the grayscale version is **17.5323, 18.4454, 20.0870**.

A 20% lighter version of the original color is **43.4500, 42.2140, 100.4658**, and **10.7609, 8.0121, 45.2353** is the 20% darker color. If you saturate the color by 10%, you get **21.6890, 16.5617, 83.7154**, and if you desaturate by 10%, it is **29.4652, 26.6982, 85.2621**.

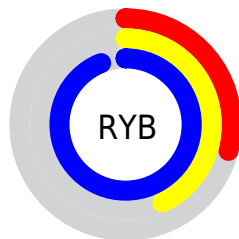
Distribution



Red (29%)

Green (47%)

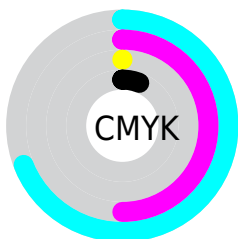
Blue (94%)



Red (29%)

Yellow (43%)

Blue (94%)

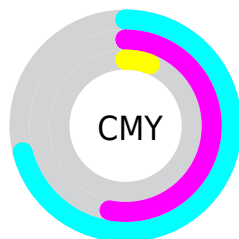


Cyan (69%)

Magenta (50%)

Yellow (0%)

Black (6%)



Cyan (71%)


Magenta (53%)


Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 25.0441, 21.0814, 84.4105 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 25.0441, 21.0814, 84.4105 by changing the saturation by 10% instead.


 25.0441, 21.0814,
84.4105


 25.0441, 21.0814,
84.4105


270.4011,
257.7108, 529.7690


 16.2388, 13.1835,
62.8071


 51.1711, 45.2230,
141.4161


 9.7852, 7.5550,
45.2451


 69.2236, 62.2354,
177.6553

 5.3180, 3.8116,
31.3062


 91.0892, 83.0549,
219.6103

 2.4717, 1.5687,
20.5717

 117.1332,
108.0657, 267.6994

 0.8810, 0.3364,
12.6231

147.7211,
137.6523, 322.3413

 0.0000, 0.0000,
7.0419

183.2181,

 0.0000, 0.0000,

172.1991, 383.9545

3.4095

223.9896,
212.0905, 452.9576

■ 0.0000, 0.0000,
1.3073

■ 0.0000, 0.0000,
0.0678

■ 25.0441, 21.0814,
84.4105

■ 25.0441, 21.0814,
84.4105

■ 21.6890, 16.5617,
83.7154

■ 29.4652, 26.6982,
85.2621

■ 19.2926, 13.0543,
83.1648

■ 35.0388, 33.4834,
86.2781

■ 17.7000, 10.4475,
82.7455

■ 41.8454, 41.5039,
87.4674

■ 17.6266, 10.3251,
82.7258

■ 49.9571, 50.8205,
88.8382

■ 59.4402, 61.4899,
90.3978

■ 70.3563, 73.5652,
92.1532

■ 82.7633, 87.0966,
94.1111

■ 92.5801, 99.0120,
95.8936

Harmonies

Analogous

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



17.6247, 21.0814, 88.3520



25.0441, 21.0814, 84.4105



32.5504, 21.0814, 59.5707

Triad

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



25.0441, 21.0814, 84.4105



30.4495, 21.0814, 4.0557



9.2596, 21.0814, 16.4752

Complementary

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



25.0441, 21.0814, 84.4105



55.6517, 56.5359, 14.2845

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.



11.2289, 21.0814, 5.6249



25.0441, 21.0814, 84.4105



22.6605, 21.0814, 1.8611

Square

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



25.0441, 21.0814, 84.4105



36.1532, 21.0814, 12.0657



15.7466, 21.0814, 2.1834



9.6038, 21.0814, 38.9702

Rectangle

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



25.0441, 21.0814, 84.4105



36.0417, 21.0814, 39.8191



15.7466, 21.0814, 2.1834



9.6500, 21.0814, 11.6841

Sweetspot

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



25.0451, 21.0820, 84.4111



66.9709, 69.1246, 104.4204



43.1262, 66.9547, 60.5024



13.6638, 14.0436, 22.2405



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.



25.0451, 21.0820, 84.4111



23.9378, 17.4947, 96.7229



24.2669, 14.2481, 83.1330



15.2616, 15.9573, 19.9973



9.8367, 5.8977, 45.7478



0.8998, 0.6536, 3.8329

Inverse Universe

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



41.3703, 24.4734, 20.3129



44.5782, 23.9979, 15.1846



56.7081, 74.9161, 17.7766



15.9567, 15.8324, 17.3284



20.2908, 10.3887, 4.1817



1.7291, 0.8807, 0.5644

Previews

White Background



This preview shows how the XYZ color 25.0441, 21.0814, 84.4105 looks on a white background.

Color Contrast Check

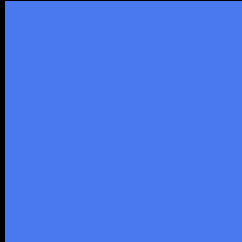
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 25.0441, 21.0814, 84.4105 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

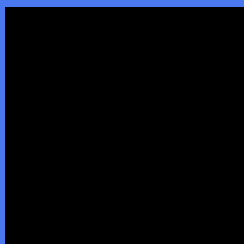
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

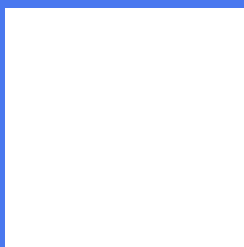
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 25.0441, 21.0814, 84.4105

Background



This preview shows how black text looks on a background with the XYZ color 25.0441, 21.0814, 84.4105.



This preview shows how white text looks on a background with the XYZ color 25.0441, 21.0814,

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

25.0441, 21.0814, 84.4105

Protanopia

24.5816, 21.1695, 86.0096

Deuteranopia

21.3098, 20.8746, 74.1402



Tritanopia

14.9640, 20.9905, 32.5410

Trichromacy



Original Color

25.0441, 21.0814, 84.4105

Protanomaly

24.6154, 21.0228, 85.1985

Deuteranomaly

22.0685, 20.6134, 77.6786

Tritanomaly

17.3868, 20.4270, 47.8262

Monochromacy



Original Color

25.0441, 21.0814, 84.4105

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

18.9208, 18.9608, 37.3129

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.0441, 21.0814, 84.4105 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(73, 120, 239)` looks like.

```
.text, #text, p{  
    color:rgb(73, 120, 239)  
}
```

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(73, 120, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 120, 239) }
```

Border

The CSS property to change the border of an element to XYZ 25.0441, 21.0814, 84.4105 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(73, 120, 239) }
```


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

```
.border{ border-color:rgb(73, 120, 239) }
```

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

Here you see how a box with a 4 pixel rgb(73, 120, 239) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 120, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 120, 239);  
box-shadow:4px 4px 4px 4px rgb(73, 120,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 25.0441, 21.0814, 84.4105 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 120, 239) }
```

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

```
.background{ background-color: rgb(73, 120,  
239) }
```

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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