

Converting Colors

XYZ(22.3584, 16.0758, 85.1444)

Have a look what the booklet for
XYZ(22.3584, 16.0758, 85.1444)
contains.

XYZ(22.3319, 16.0241, 85.1350)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(22.3319, 16.0241,
85.1350)**

Conversions

Conversions Part 1

Format	Color
Hex	4161F1
RGB	65, 97, 241
RGB Percent	25%, 38%, 95%
CMY	0.7450, 0.6196, 0.0549
CMYK	0.73, 0.60, 0.00, 0.05
HSL	229°, 86%, 60%
HSV	229°, 73%, 95%
XYZ	22.3319, 16.0241, 85.1350
YIQ	103.8480, -65.2960, 38.0000

Conversions

Conversions Part 2

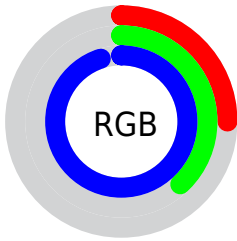
Format	Color
R _{YB}	65, 92, 241
Decimal	4284913
CIE Lab	47.01, 36.95, -75.62
CIE LCh	47, 84.167, 296.043
Yxy	16.0241, 0.1808, 0.1298
Android (android.graphics.Color)	4282474993 (0xFF4161F1)
YUV	103.8480, 67.6159, -34.0697
Hunter-Lab	40.0301, 29.5284, -98.0753

Details

The XYZ color **22.3319, 16.0241, 85.1350** is a dark color, and the websafe version is hex **3366FF**. The color can be described as middle washed azure. A complement of this color would be **60.0343, 64.6906, 14.3254**, and the grayscale version is **12.9565, 13.6312, 14.8444**.

A 20% lighter version of the original color is **38.4754, 33.2383, 98.9955**, and **9.8356, 5.8283, 45.9540** is the 20% darker color. If you saturate the color by 10%, you get **19.4618, 12.1675, 84.5423**, and if you desaturate by 10%, it is **26.3366, 21.1376, 85.9114**.

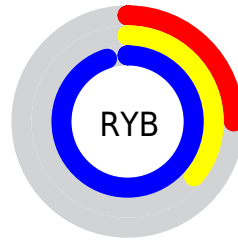
Distribution



 Red (25%)

 Green (38%)

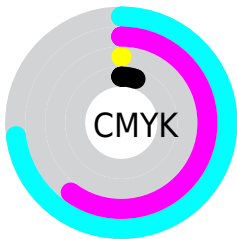
 Blue (95%)




 Red (25%)

 Yellow (36%)

 Blue (95%)

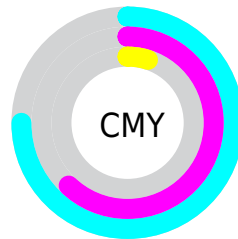


 Cyan (73%)

 Magenta (60%)

 Yellow (0%)

 Black (5%)



 Cyan (75%)

 Magenta (62%)

 Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.3319, 16.0241, 85.1350 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 22.3319, 16.0241, 85.1350 by changing the saturation by 10% instead.

■ 22.3319, 16.0241,
85.1350

■ 22.3319, 16.0241,
85.1350

256.8746,
229.4839, 532.2309

■ 14.2189, 9.5412,
63.4021

■ 46.7687, 36.6400,
142.4376

■ 8.3558, 5.0958,
45.7235

■ 63.8233, 51.5419,
178.8444

■ 4.3772, 2.3036,
31.6806

■ 84.5891, 70.0188,
220.9797

■ 1.9177, 0.7756,
20.8549

■ 109.4316, 92.4553,
269.2619

■ 0.5871, 0.0000,
12.8277

138.7160,
119.2356, 324.1096

■ 0.0000, 0.0000,
7.1807

172.8077,

■ 0.0000, 0.0000,

150.7442, 385.9413

3.4952

212.0721,
187.3655, 455.1755

■ 0.0000, 0.0000,
1.3527

■ 0.0000, 0.0000,
0.1044

■ 22.3319, 16.0241,
85.1350

■ 22.3319, 16.0241,
85.1350

■ 19.4618, 12.1675,
84.5423

■ 26.3366, 21.1376,
85.9114

■ 17.5961, 9.4503,
84.1162

■ 31.5809, 27.6081,
86.8839

■ 16.7706, 8.1376,
83.9063

■ 38.1604, 35.5261,
88.0654

■ 46.1602, 44.9741,
89.4675

■ 55.6584, 56.0281,
91.1005

■ 66.7273, 68.7590,
92.9744

■ 79.4342, 83.2334,
95.0985

■ 92.8001, 98.9765,
97.4328

■ 92.8773, 99.1309,
97.4585

Harmonies

Analogous

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



14.2740, 16.0241, 97.2349



22.3319, 16.0241, 85.1350



30.2541, 16.0241, 51.3180

Triad

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



22.3319, 16.0241, 85.1350



24.5883, 16.0241, 0.7853



5.0212, 16.0241, 14.7959

Complementary

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



22.3319, 16.0241, 85.1350



60.0343, 64.6906, 14.3254

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.



6.2455, 16.0241, 3.1842



22.3319, 16.0241, 85.1350



16.2286, 16.0241, 0.0000

Square

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



22.3319, 16.0241, 85.1350



31.8247, 16.0241, 5.0122



9.8209, 16.0241, 0.3792



5.7215, 16.0241, 41.9967

Rectangle

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



22.3319, 16.0241, 85.1350



33.5206, 16.0241, 29.1708



9.8209, 16.0241, 0.3792



5.2068, 16.0241, 9.3801

Sweetspot

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



22.3328, 16.0245, 85.1355



64.4008, 64.9967, 103.7591



45.1123, 68.6256, 71.0189



13.1087, 13.1301, 22.0934



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.



22.3328, 16.0245, 85.1355



20.8809, 12.0608, 95.8352



25.6174, 14.1794, 84.6062



15.1296, 15.6933, 19.9533



9.1640, 4.5523, 45.5236



0.8269, 0.5078, 3.8087

Inverse Universe

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



40.3245, 23.3460, 13.6901



42.8693, 22.6791, 8.1443



52.4831, 73.6408, 16.4510



15.8901, 15.8058, 16.9775



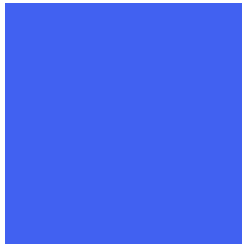
19.9512, 10.2529, 2.3936



1.6923, 0.8660, 0.3708

Previews

White Background



This preview shows how the XYZ color 22.3319, 16.0241, 85.1350 looks on a white background.

Color Contrast Check

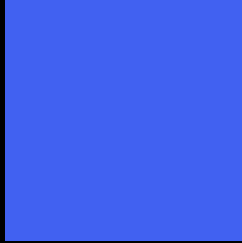
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.3319, 16.0241, 85.1350 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

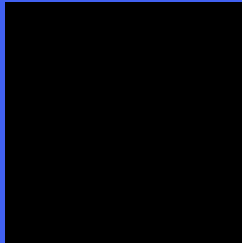
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 22.3319, 16.0241, 85.1350

Background



This preview shows how black text looks on a background with the XYZ color 22.3319, 16.0241, 85.1350.



This preview shows how white text looks on a background with the XYZ color 22.3319, 16.0241,

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

22.3319, 16.0241, 85.1350

Protanopia

18.9852, 16.0064, 74.0404

Deuteranopia

15.6427, 15.7053, 53.2459



Tritanopia

11.1797, 15.8046, 23.9341

Trichromacy



Original Color

22.3319, 16.0241, 85.1350

Protanomaly

19.6507, 15.6642, 77.5891

Deuteranomaly

17.3923, 15.4127, 63.6863

Tritanomaly

13.7447, 15.1691, 40.7316

Monochromacy



Original Color

22.3319, 16.0241, 85.1350

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

14.7029, 13.8141, 32.4633

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.3319, 16.0241, 85.1350 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(65, 97, 241)` looks like.

```
.text, #text, p{  
    color:rgb(65, 97, 241)  
}
```

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(65, 97, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 97, 241) }
```

Border

The CSS property to change the border of an element to XYZ 22.3319, 16.0241, 85.1350 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(65, 97, 241) }
```


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

```
.border{ border-color:rgb(65, 97, 241) }
```

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

Here you see how a box with a 4 pixel rgb(65, 97, 241) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 97, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 97, 241);  
box-shadow:4px 4px 4px 4px rgb(65, 97,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 22.3319, 16.0241, 85.1350 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 97, 241) }
```

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

```
.background{ background-color: rgb(65, 97,  
241) }
```

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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