

Converting Colors

XYZ(22.1579, 15.8691, 88.1978)

Have a look what the booklet for
XYZ(22.1579, 15.8691, 88.1978)
contains.

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Color

**XYZ(22.1723, 15.8720,
88.2812)**

Conversions

Conversions Part 1

Format	Color
Hex	3461F5
RGB	52, 97, 245
RGB Percent	20%, 38%, 96%
CMY	0.7960, 0.6196, 0.0392
CMYK	0.79, 0.60, 0.00, 0.04
HSL	226°, 91%, 58%
HSV	226°, 79%, 96%
XYZ	22.1723, 15.8720, 88.2812
YIQ	100.4170, -74.3280, 36.4880

Conversions

Conversions Part 2

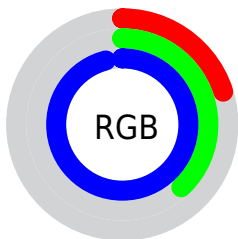
Format	Color
R_{YB}	52, 88, 245
Decimal	3432949
CIE _{Lab}	46.81, 37.08, -78.21
CIE _{LCh}	47, 86.552, 295.366
Yxy	15.8720, 0.1755, 0.1256
Android (android.graphics.Color)	4281623029 (0xFF3461F5)
YUV	100.4170, 71.2794, -42.4617
Hunter-Lab	39.8397, 29.6226, -103.4936

Details

The XYZ color **22.1723, 15.8720, 88.2812** 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 **58.9352, 60.9778, 11.9145**, and the grayscale version is **12.0581, 12.6861, 13.8152**.

A 20% lighter version of the original color is **37.3858, 32.6766, 98.9445**, and **10.1976, 6.0438, 47.6428** is the 20% darker color. If you saturate the color by 10%, you get **19.6866, 12.3114, 87.7254**, and if you desaturate by 10%, it is **25.7243, 20.5925, 89.0056**.

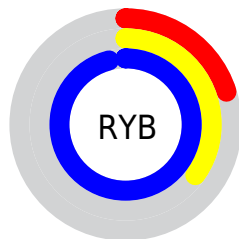
Distribution



Red (20%)

Green (38%)

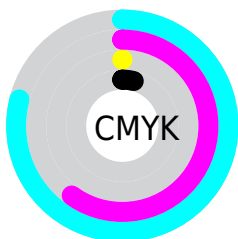
Blue (96%)



Red (20%)

Yellow (35%)

Blue (96%)

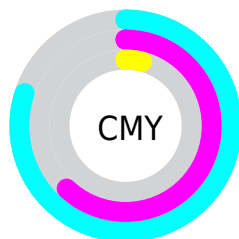


Cyan (79%)

Magenta (60%)

Yellow (0%)

Black (4%)



Cyan (80%)

Magenta (62%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.1723, 15.8720, 88.2812 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 22.1723, 15.8720, 88.2812 by changing the saturation by 10% instead.

■ 22.1723, 15.8720,
88.2812

■ 22.1723, 15.8720,
88.2812

256.0602,
228.5852, 542.8488

■ 14.1009, 9.4336,
65.9903

■ 46.5073, 36.3758,
146.8632

■ 8.2730, 5.0251,
47.8081

■ 63.5017, 51.2101,
183.9913

■ 4.3234, 2.2620,
33.3160

■ 84.2010, 69.6118,
226.9023

■ 1.8867, 0.7535,
22.0956

■ 108.9707, 91.9653,
276.0147

■ 0.5691, 0.0000,
13.7281

138.1761,
118.6550, 331.7470

■ 0.0000, 0.0000,
7.7952

172.1826,

■ 0.0000, 0.0000,

150.0653, 394.5178

3.8783

211.3555,
186.5806, 464.7455

■ 0.0000, 0.0000,
1.5588

■ 0.0000, 0.0000,
0.2612

■ 22.1723, 15.8720,
88.2812

■ 22.1723, 15.8720,
88.2812

■ 19.6866, 12.3114,
87.7254

■ 25.7243, 20.5925,
89.0056

■ 18.1049, 9.7834,
87.3208

■ 30.4555, 26.5707,
89.9101

■ 17.9499, 9.5294,
87.2799

■ 36.4661, 33.8945,
91.0070

■ 43.8447, 42.6430,
92.3067

■ 52.6716, 52.8889,
93.8191

■ 63.0207, 64.6998,
95.5534

■ 74.9607, 78.1390,
97.5181

■ 88.5561, 93.2662,
99.7214

■ 93.4815, 99.3726,
100.6405

Harmonies

Analogous

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



13.9467, 15.8720, 100.2312



22.1723, 15.8720, 88.2812



30.3979, 15.8720, 53.1526

Triad

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



22.1723, 15.8720, 88.2812



24.8943, 15.8720, 0.6631



4.7713, 15.8720, 14.1453

Complementary

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



22.1723, 15.8720, 88.2812



58.9352, 60.9778, 11.9145

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.



6.0376, 15.8720, 2.8089



22.1723, 15.8720, 88.2812



16.2854, 15.8720, 0.0000

Square

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



22.1723, 15.8720, 88.2812



32.3014, 15.8720, 4.9142



9.6974, 15.8720, 0.1742



5.4247, 15.8720, 41.8069

Rectangle

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



22.1723, 15.8720, 88.2812



33.8635, 15.8720, 30.0083



9.6974, 15.8720, 0.1742



4.9700, 15.8720, 8.7841

Sweetspot

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



22.1732, 15.8724, 88.2817



62.8186, 63.8063, 103.6127



44.4916, 70.2044, 65.8317



12.6066, 12.6963, 22.0361



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.



22.1732, 15.8724, 88.2817



20.3537, 11.5865, 95.7714



23.3589, 11.9621, 87.4644



15.8946, 16.5535, 20.9000



9.7570, 5.3078, 47.0483



0.9330, 0.6174, 4.1602

Inverse Universe

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



41.0428, 22.7331, 13.5338



42.4616, 21.9739, 7.6688



55.4026, 76.9616, 15.1859



16.6574, 16.5458, 17.9423



20.7294, 10.6352, 3.2834



1.8600, 0.9500, 0.4892

Previews

White Background



This preview shows how the XYZ color 22.1723, 15.8720, 88.2812 looks on a white background.

Color Contrast Check

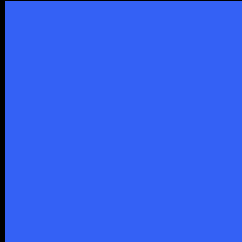
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.1723, 15.8720, 88.2812 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

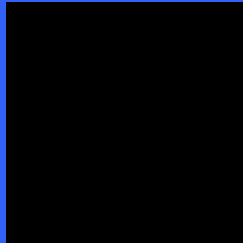
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 22.1723, 15.8720, 88.2812

Background



This preview shows how black text looks on a background with the XYZ color 22.1723, 15.8720, 88.2812.



This preview shows how white text looks on a background with the XYZ color 22.1723, 15.8720,

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

22.1723, 15.8720, 88.2812

Protanopia

18.7446, 15.7443, 73.2852

Deuteranopia

15.5308, 15.6605, 52.6563



Tritanopia

10.9888, 15.5308, 23.5377

Trichromacy



Original Color

22.1723, 15.8720, 88.2812

Protanomaly

19.6843, 15.6651, 78.3301

Deuteranomaly

17.4099, 15.4073, 64.3437

Tritanomaly

13.6201, 14.9273, 41.1931

Monochromacy



Original Color

22.1723, 15.8720, 88.2812

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

13.7789, 13.0626, 31.9321

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.1723, 15.8720, 88.2812 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(52, 97, 245)` looks like.

```
.text, #text, p{  
    color:rgb(52, 97, 245)  
}
```

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(52, 97, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 97, 245) }
```

Border

The CSS property to change the border of an element to XYZ 22.1723, 15.8720, 88.2812 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(52, 97, 245) }
```


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

```
.border{ border-color:rgb(52, 97, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 97, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 97, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 97, 245);  
box-shadow:4px 4px 4px 4px rgb(52, 97,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 22.1723, 15.8720, 88.2812 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 97, 245) }
```

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

```
.background{ background-color: rgb(52, 97,  
245) }
```

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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