

Converting Colors

XYZ(23.8463, 22.4718, 85.5187)

Have a look what the booklet for
XYZ(23.8463, 22.4718, 85.5187)
contains.

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Color

**XYZ(23.8820, 22.5432,
85.5306)**

Conversions

Conversions Part 1

Format	Color
Hex	0383F0
RGB	3, 131, 240
RGB Percent	1%, 51%, 94%
CMY	0.9880, 0.4863, 0.0588
CMYK	0.99, 0.45, 0.00, 0.06
HSL	208°, 97%, 48%
HSV	208°, 99%, 94%
XYZ	23.8820, 22.5432, 85.5306
YIQ	105.1540, -111.2770, 6.7630

Conversions

Conversions Part 2

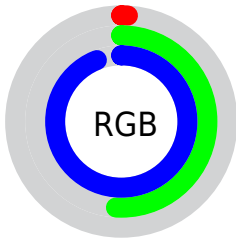
Format	Color
R _Y B	3, 86, 240
Decimal	230384
CIE Lab	54.60, 11.21, -62.82
CIE LCh	55, 63.807, 280.115
Yxy	22.5432, 0.1810, 0.1708
Android (android.graphics.Color)	4278420464 (0xFF0383F0)
YUV	105.1540, 66.4791, -89.5891
Hunter-Lab	47.4797, 6.6950, -73.5701

Details

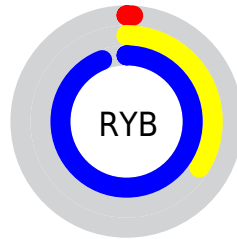
The XYZ color **23.8820, 22.5432, 85.5306** is a dark color, and the websafe version is hex **3399FF**. The color can be described as dark saturated azure. A complement of this color would be **41.7536, 30.1349, 3.7040**, and the grayscale version is **13.3217, 14.0155, 15.2629**.

A 20% lighter version of the original color is **41.2902, 44.3382, 100.9896**, and **11.6405, 9.6054, 46.0403** is the 20% darker color. If you saturate the color by 10%, you get **23.6565, 22.1478, 85.4667**, and if you desaturate by 10%, it is **25.8612, 25.8836, 86.0716**.

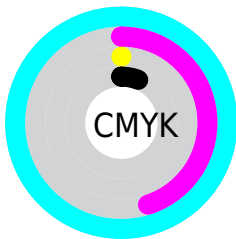
Distribution



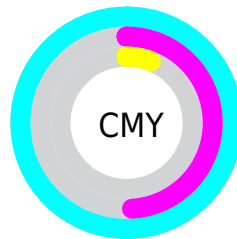
- Red (1%)
- Green (51%)
- Blue (94%)



- Red (1%)
- Yellow (34%)
- Blue (94%)



- Cyan (99%)
- Magenta (45%)
- Yellow (0%)
- Black (6%)



- Cyan (99%)
- Magenta (49%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.8820, 22.5432, 85.5306 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 23.8820, 22.5432, 85.5306 by changing the saturation by 10% instead.

■ 23.8820, 22.5432,
85.5306

■ 23.8820, 22.5432,
85.5306

264.6749,
265.3700, 533.5725

■ 15.3704, 14.2566,
63.7272

■ 49.2937, 47.6422,
142.9950

■ 9.1677, 8.2993,
45.9850

■ 66.9244, 65.2233,
179.4931

■ 4.9087, 4.2871,
31.8854

■ 88.3255, 86.6714,
221.7265

■ 2.2280, 1.8354,
21.0099

■ 113.8625,
112.3708, 270.1138

■ 0.7574, 0.5091,
12.9399

■ 143.9005,
142.7060, 325.0735

■ 0.0000, 0.0000,
7.2569

178.8050,

■ 0.0000, 0.0000,

178.0613, 387.0242

3.5424

218.9414,
218.8212, 456.3843

■ 0.0000, 0.0000,
1.3778

■ 0.0000, 0.0000,
0.1243

■ 23.8820, 22.5432,
85.5306

■ 23.8820, 22.5432,
85.5306

■ 23.6565, 22.1478,
85.4667

■ 25.8612, 25.8836,
86.0716

■ 28.5016, 29.8063,
86.6896

■ 31.9327, 34.3850,
87.3925

■ 36.2431, 39.6718,
88.1858

■ 41.5083, 45.7117,
89.0741

■ 47.7950, 52.5451,
90.0617

■ 55.1633, 60.2089,
91.1526

■ 63.6684, 68.7370,
92.3505

■ 73.3614, 78.1613,
93.6587

Harmonies

Analogous

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



17.1614, 22.5432, 81.6791



23.8820, 22.5432, 85.5306



31.3372, 22.5432, 67.4814

Triad

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



23.8820, 22.5432, 85.5306



33.4754, 22.5432, 7.1290



11.0869, 22.5432, 13.6181

Complementary

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



23.8820, 22.5432, 85.5306



41.7536, 30.1349, 3.7040

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.



13.8627, 22.5432, 5.2784



23.8820, 22.5432, 85.5306



26.3458, 22.5432, 3.1999

Square

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



23.8820, 22.5432, 85.5306



37.6229, 22.5432, 18.3714



19.1456, 22.5432, 2.7820



10.7083, 22.5432, 31.9683

Rectangle

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



23.8820, 22.5432, 85.5306



35.3660, 22.5432, 49.2399



19.1456, 22.5432, 2.7820



11.7363, 22.5432, 9.8986

Sweetspot

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



23.8830, 22.5438, 85.5312



62.0676, 67.8293, 104.4288



33.9961, 63.4593, 25.1196



12.5021, 13.7087, 22.2371



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.



23.8830, 22.5438, 85.5312



27.0940, 25.3079, 98.0647



15.9362, 6.6503, 82.8823



15.6043, 16.6428, 20.1115



13.0846, 12.3935, 46.8304



1.1879, 1.2299, 3.9290

Inverse Universe

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



40.0654, 20.2306, 23.2661



45.8050, 23.0860, 25.9688



63.7380, 74.1036, 11.0321



16.1297, 15.9016, 18.2394



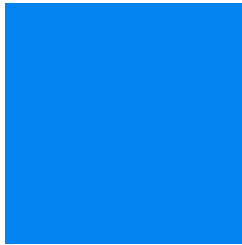
21.9301, 11.0445, 12.8145



1.8746, 0.9389, 1.3303

Previews

White Background



This preview shows how the XYZ color 23.8820, 22.5432, 85.5306 looks on a white background.

Color Contrast Check

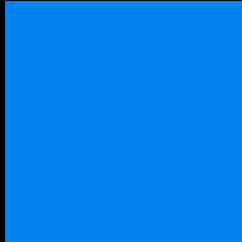
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.8820, 22.5432, 85.5306 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

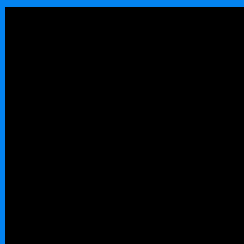
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

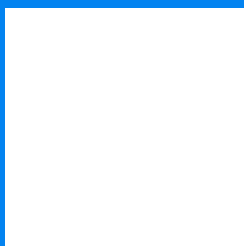
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.8820, 22.5432, 85.5306

Background



This preview shows how black text looks on a background with the XYZ color 23.8820, 22.5432, 85.5306.



This preview shows how white text looks on a background with the XYZ color 23.8820, 22.5432,

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

23.8820, 22.5432, 85.5306

Protanopia

25.4367, 22.4564, 81.5911

Deuteranopia

22.9592, 22.3857, 80.2016



Tritanopia

15.8060, 22.2796, 34.0392

Trichromacy



Original Color

23.8820, 22.5432, 85.5306

Protanomaly

24.2719, 22.2057, 83.1276

Deuteranomaly

23.4041, 22.5651, 82.4789

Tritanomaly

18.0021, 21.9745, 49.1916

Monochromacy



Original Color

23.8820, 22.5432, 85.5306

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

14.2339, 15.5967, 32.8321

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8820, 22.5432, 85.5306 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(3, 131, 240)` looks like.

```
.text, #text, p{  
    color:rgb(3, 131, 240)  
}
```

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(3, 131, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 131, 240) }
```

Border

The CSS property to change the border of an element to XYZ 23.8820, 22.5432, 85.5306 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(3, 131, 240) }
```


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

```
.border{ border-color:rgb(3, 131, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(3, 131, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 131, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 131, 240);  
box-shadow:4px 4px 4px 4px rgb(3, 131,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 23.8820, 22.5432, 85.5306 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 131, 240) }
```

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

```
.background{ background-color: rgb(3, 131,  
240) }
```

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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