

Converting Colors

XYZ(23.4650, 20.6069, 88.9683)

Have a look what the booklet for
XYZ(23.4650, 20.6069, 88.9683)
contains.

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Color

**XYZ(23.4410, 20.5116,
89.1099)**

Conversions

Conversions Part 1

Format	Color
Hex	007AF5
RGB	0, 122, 245
RGB Percent	0%, 48%, 96%
CMY	0.9997, 0.5216, 0.0392
CMYK	1.00, 0.50, 0.00, 0.04
HSL	210°, 100%, 48%
HSV	210°, 100%, 96%
XYZ	23.4410, 20.5116, 89.1099
YIQ	99.5440, -112.1950, 12.3890

Conversions

Conversions Part 2

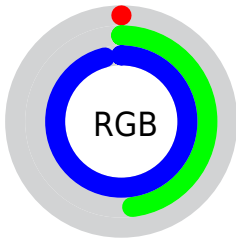
Format	Color
R _Y B	0, 81, 245
Decimal	31477
CIE Lab	52.41, 18.68, -69.13
CIE LCh	52, 71.607, 285.124
Yxy	20.5116, 0.1762, 0.1542
Android (android.graphics.Color)	4278221557 (0xFF007AF5)
YUV	99.5440, 71.7098, -87.3001
Hunter-Lab	45.2897, 13.1308, -84.9533

Details

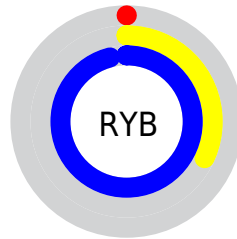
The XYZ color **23.4410, 20.5116, 89.1099** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark saturated azure. A complement of this color would be **44.7492, 33.5975, 4.1286**, and the grayscale version is **11.8476, 12.4646, 13.5740**.

A 20% lighter version of the original color is **39.6165, 40.8071, 100.3963**, and **11.5932, 8.6630, 48.6381** is the 20% darker color. If you saturate the color by 10%, you get **23.4364, 20.5024, 89.1089**, and if you desaturate by 10%, it is **25.4392, 23.9282, 89.6646**.

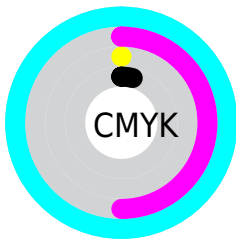
Distribution



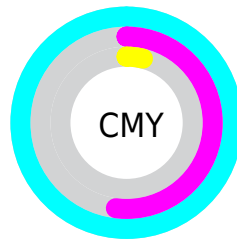
- Red (0%)
- Green (48%)
- Blue (96%)



- Red (0%)
- Yellow (32%)
- Blue (96%)



- Cyan (100%)
- Magenta (50%)
- Yellow (0%)
- Black (4%)



- Cyan (100%)
- Magenta (52%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.4410, 20.5116, 89.1099 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 23.4410, 20.5116, 89.1099 by changing the saturation by 10% instead.

■ 23.4410, 20.5116,
89.1099

■ 23.4410, 20.5116,
89.1099

262.4753,
254.6714, 545.6263

■ 15.0420, 12.7675,
66.6731

■ 48.5778, 44.2733,
148.0261

■ 8.9353, 7.2686,
48.3591

■ 66.0462, 61.0596,
185.3425

■ 4.7558, 3.6307,
33.7493

■ 87.2686, 81.6288,
228.4559

■ 2.1380, 1.4692,
22.4253

■ 112.6101,
106.3652, 277.7849

■ 0.7097, 0.2669,
13.9684

■ 142.4361,
135.6533, 333.7478

■ 0.0000, 0.0000,
7.9602

177.1121,

■ 0.0000, 0.0000,

169.8774, 396.7633

3.9821

217.0034,
209.4220, 467.2500

■ 0.0000, 0.0000,
1.6155

■ 0.0000, 0.0000,
0.3019

■ 23.4410, 20.5116,
89.1099

■ 23.4410, 20.5116,
89.1099

■ 23.4364, 20.5024,
89.1089

■ 25.4392, 23.9282,
89.6646

■ 28.1246, 27.9930,
90.3076

■ 31.6559, 32.7975,
91.0489

■ 36.1303, 38.4007,
91.8946

■ 41.6301, 44.8538,
92.8503

■ 48.2277, 52.2027,
93.9210

■ 55.9886, 60.4889,
95.1114

■ 64.9725, 69.7513,
96.4257

■ 75.2351, 80.0259,
97.8680

Harmonies

Analogous

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



16.0719, 20.5116, 89.2244



23.4410, 20.5116, 89.1099



31.3916, 20.5116, 65.0829

Triad

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



23.4410, 20.5116, 89.1099



31.3320, 20.5116, 4.1315



8.7385, 20.5116, 13.4339

Complementary

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



23.4410, 20.5116, 89.1099



44.7492, 33.5975, 4.1286

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.



11.0636, 20.5116, 4.1720



23.4410, 20.5116, 89.1099



23.3741, 20.5116, 1.5762

Square

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



23.4410, 20.5116, 89.1099



36.6720, 20.5116, 13.3133



16.0199, 20.5116, 1.5840



8.7478, 20.5116, 34.7159

Rectangle

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



23.4410, 20.5116, 89.1099



35.4279, 20.5116, 44.1861



16.0199, 20.5116, 1.5840



9.2408, 20.5116, 9.2207

Sweetspot

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



23.4420, 20.5121, 89.1105



61.2303, 66.1547, 104.1497



36.1998, 66.7242, 29.5587



12.3041, 13.3126, 22.1711



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.



23.4420, 20.5121, 89.1105



25.6316, 22.3832, 97.5772



16.4833, 6.5947, 86.7909



16.2626, 17.2896, 21.0227



12.7640, 11.3218, 48.0506



1.2246, 1.2005, 4.2574

Inverse Universe

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



41.1701, 20.8194, 20.2609



45.0668, 22.7907, 22.0819



70.3095, 84.7180, 12.6487



16.8431, 16.6201, 18.9206



22.2472, 11.2423, 11.2760



2.0072, 1.0088, 1.2641

Previews

White Background



This preview shows how the XYZ color 23.4410, 20.5116, 89.1099 looks on a white background.

Color Contrast Check

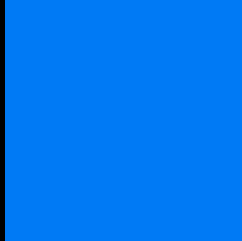
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.4410, 20.5116, 89.1099 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

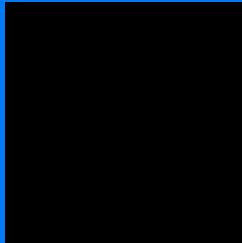
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

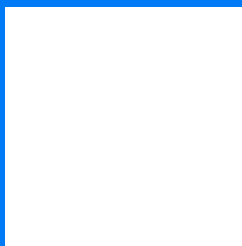
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.4410, 20.5116, 89.1099

Background



This preview shows how black text looks on a background with the XYZ color 23.4410, 20.5116, 89.1099.



This preview shows how white text looks on a background with the XYZ color 23.4410, 20.5116,

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

23.4410, 20.5116, 89.1099

Protanopia

24.1608, 20.5570, 87.4885

Deuteranopia

20.6405, 20.3992, 71.2562



Tritanopia

14.3549, 20.2835, 30.7623

Trichromacy



Original Color

23.4410, 20.5116, 89.1099

Protanomaly

23.7316, 20.4977, 88.2936

Deuteranomaly

21.6165, 20.3804, 77.6574

Tritanomaly

16.7985, 19.9214, 47.7596

Monochromacy



Original Color

23.4410, 20.5116, 89.1099

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

13.2267, 14.1150, 32.1643

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.4410, 20.5116, 89.1099 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(0, 122, 245)` looks like.

```
.text, #text, p{  
    color:rgb(0, 122, 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(0, 122, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 122, 245) }
```

Border

The CSS property to change the border of an element to XYZ 23.4410, 20.5116, 89.1099 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(0, 122, 245) }
```


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

```
.border{ border-color:rgb(0, 122, 245) }
```

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

Here you see how a box with a 4 pixel rgb(0, 122, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 122, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 122, 245);  
box-shadow:4px 4px 4px 4px rgb(0, 122,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 23.4410, 20.5116, 89.1099 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 122, 245) }
```

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

```
.background{ background-color: rgb(0, 122,  
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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