

Converting Colors

XYZ(24.8424, 23.3633, 89.4264)

Have a look what the booklet for
XYZ(24.8424, 23.3633, 89.4264)
contains.

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Color

**XYZ(24.8690, 23.3676,
89.5859)**

Conversions

Conversions Part 1

Format	Color
Hex	0085F5
RGB	0, 133, 245
RGB Percent	0%, 52%, 96%
CMY	0.9997, 0.4784, 0.0392
CMYK	1.00, 0.46, 0.00, 0.04
HSL	207°, 100%, 48%
HSV	207°, 100%, 96%
XYZ	24.8690, 23.3676, 89.5859
YIQ	106.0010, -115.2200, 6.6360

Conversions

Conversions Part 2

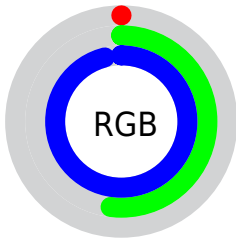
Format	Color
R _Y B	0, 86, 245
Decimal	34293
CIE Lab	55.45, 11.83, -64.22
CIE LCh	55, 65.301, 280.436
Yxy	23.3676, 0.1804, 0.1695
Android (android.graphics.Color)	4278224373 (0xFF0085F5)
YUV	106.0010, 68.5265, -92.9629
Hunter-Lab	48.3400, 7.2360, -76.0408

Details

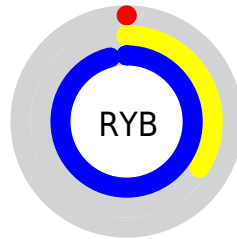
The XYZ color **24.8690, 23.3676, 89.5859** is a dark color, and the websafe version is hex **3399FF**. The color can be described as dark saturated azure. A complement of this color would be **43.4594, 31.0178, 3.6986**, and the grayscale version is **13.5473, 14.2528, 15.5213**.

A 20% lighter version of the original color is **41.8294, 45.2329, 101.1339**, and **12.3256, 10.1278, 48.8822** is the 20% darker color. If you saturate the color by 10%, you get **24.8644, 23.3584, 89.5849**, and if you desaturate by 10%, it is **26.8762, 26.8022, 90.1436**.

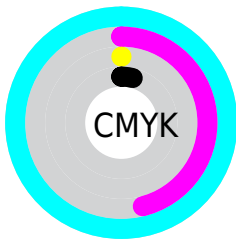
Distribution



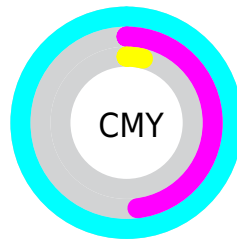
- Red (0%)
- Green (52%)
- Blue (96%)



- Red (0%)
- Yellow (34%)
- Blue (96%)



- Cyan (100%)
- Magenta (46%)
- Yellow (0%)
- Black (4%)



- Cyan (100%)
- Magenta (48%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.8690, 23.3676, 89.5859 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 24.8690, 23.3676, 89.5859 by changing the saturation by 10% instead.

■ 24.8690, 23.3676,
89.5859

■ 24.8690, 23.3676,
89.5859

269.5446,
269.6075, 547.2182

■ 16.1077, 14.8652,
67.0655

■ 50.8890, 48.9962,
148.6935

■ 9.6917, 8.7248,
48.6759

■ 68.8785, 66.8912,
186.1178

■ 5.2557, 4.5621,
33.9987

■ 90.6747, 88.6858,
229.3472

■ 2.4344, 1.9927,
22.6152

■ 116.6430,
114.7645, 278.8001

■ 0.8623, 0.6032,
14.1070

■ 147.1488,
145.5116, 334.8951

■ 0.0000, 0.0000,
8.0555

182.5575,

■ 0.0000, 0.0000,

181.3116, 398.0507

4.0422

223.2343,
222.5487, 468.6856

■ 0.0000, 0.0000,
1.6485

■ 0.0000, 0.0000,
0.3251

■ 24.8690, 23.3676,
89.5859

■ 24.8690, 23.3676,
89.5859

■ 24.8644, 23.3584,
89.5849

■ 26.8762, 26.8022,
90.1436

■ 29.5410, 30.8259,
90.7798

■ 33.0205, 35.5267,
91.5038

■ 37.4101, 40.9604,
92.3212

■ 42.7907, 47.1751,
93.2372

■ 49.2332, 54.2137,
94.2562

■ 56.8017, 62.1151,
95.3825

■ 65.5546, 70.9154,
96.6197

■ 75.5462, 80.6480,
97.9717

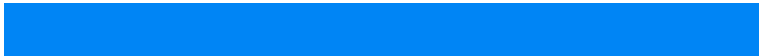
Harmonies

Analogous

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



17.8073, 23.3676, 85.7840



24.8690, 23.3676, 89.5859



32.6918, 23.3676, 70.3367

Triad

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



24.8690, 23.3676, 89.5859



34.7924, 23.3676, 7.1886



11.3803, 23.3676, 14.1572

Complementary

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



24.8690, 23.3676, 89.5859



43.4594, 31.0178, 3.6986

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.



14.2491, 23.3676, 5.4010



24.8690, 23.3676, 89.5859



27.2849, 23.3676, 3.1901

Square

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



24.8690, 23.3676, 89.5859



39.2035, 23.3676, 18.7951



19.7480, 23.3676, 2.7906



11.0117, 23.3676, 33.4991

Rectangle

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



24.8690, 23.3676, 89.5859



36.9048, 23.3676, 51.0834



19.7480, 23.3676, 2.7906



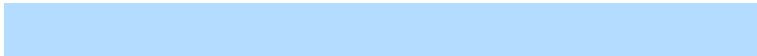
12.0485, 23.3676, 10.2459

Sweetspot

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



24.8701, 23.3683, 89.5865



62.1229, 67.9400, 104.4472



35.4840, 66.4379, 25.7888



12.5153, 13.7350, 22.2414



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.



24.8701, 23.3683, 89.5865



27.1949, 25.5099, 98.0983



16.6179, 6.8639, 86.8358



16.3264, 17.4170, 21.0439



13.5352, 12.8641, 48.3077



1.2923, 1.3361, 4.2800

Inverse Universe

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



41.8909, 21.1077, 24.0567



45.8559, 23.1064, 26.2372



66.7263, 77.5517, 11.4543



16.8753, 16.6330, 19.0900



22.6364, 11.3980, 13.3257



2.0414, 1.0225, 1.4442

Previews

White Background



This preview shows how the XYZ color 24.8690, 23.3676, 89.5859 looks on a white background.

Color Contrast Check

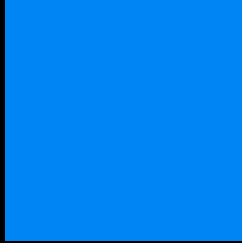
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.8690, 23.3676, 89.5859 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

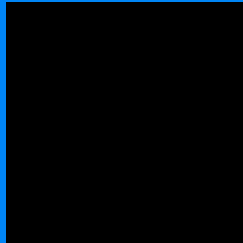
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

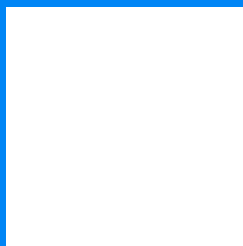
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.8690, 23.3676, 89.5859

Background



This preview shows how black text looks on a background with the XYZ color 24.8690, 23.3676, 89.5859.



This preview shows how white text looks on a background with the XYZ color 24.8690, 23.3676,

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

24.8690, 23.3676, 89.5859

Protanopia

26.5079, 23.3074, 85.5397

Deuteranopia

23.9500, 23.4424, 83.3833



Tritanopia

16.5195, 23.3018, 35.5253

Trichromacy



Original Color

24.8690, 23.3676, 89.5859

Protanomaly

25.2763, 23.0290, 87.1172

Deuteranomaly

24.2533, 23.3415, 85.6651

Tritanomaly

18.8583, 23.0201, 51.5935

Monochromacy



Original Color

24.8690, 23.3676, 89.5859

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

14.6459, 16.1184, 34.2375

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.8690, 23.3676, 89.5859 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, 133, 245)` looks like.

```
.text, #text, p{  
    color:rgb(0, 133, 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, 133, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 133, 245) }
```

Border

The CSS property to change the border of an element to XYZ 24.8690, 23.3676, 89.5859 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, 133, 245) }
```


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

```
.border{ border-color:rgb(0, 133, 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, 133, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 133, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 133, 245);  
box-shadow:4px 4px 4px 4px rgb(0, 133,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 24.8690, 23.3676, 89.5859 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 133, 245) }
```

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

```
.background{ background-color: rgb(0, 133,  
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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