

Converting Colors

XYZ(25.2728, 24.7701, 85.2306)

Have a look what the booklet for
XYZ(25.2728, 24.7701, 85.2306)
contains.

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Color

**XYZ(25.2039, 24.6850,
85.0976)**

Conversions

Conversions Part 1

Format	Color
Hex	1E8AEF
RGB	30, 138, 239
RGB Percent	12%, 54%, 94%
CMY	0.8822, 0.4588, 0.0627
CMYK	0.87, 0.42, 0.00, 0.06
HSL	209°, 87%, 53%
HSV	209°, 87%, 94%
XYZ	25.2039, 24.6850, 85.0976
YIQ	117.2220, -96.7890, 8.5150

Conversions

Conversions Part 2

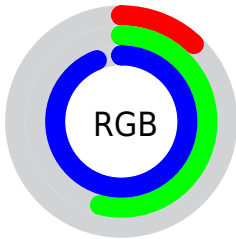
Format	Color
R _Y B	30, 101, 239
Decimal	2001647
CIE Lab	56.77, 7.58, -58.76
CIE LCh	57, 59.251, 277.346
Yxy	24.6850, 0.1867, 0.1829
Android (android.graphics.Color)	4280191727 (0xFF1E8AEF)
YUV	117.2220, 60.0366, -76.4937
Hunter-Lab	49.6840, 3.6032, -66.7717

Details

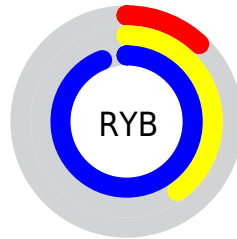
The XYZ color **25.2039, 24.6850, 85.0976** is a dark color, and the websafe version is hex **3399FF**. The color can be described as dark washed azure. A complement of this color would be **43.9516, 34.6849, 5.6085**, and the grayscale version is **16.8215, 17.6975, 19.2726**.

A 20% lighter version of the original color is **43.7510, 48.1264, 101.5911**, and **12.0159, 10.5222, 45.6536** is the 20% darker color. If you saturate the color by 10%, you get **23.1753, 21.3086, 84.5534**, and if you desaturate by 10%, it is **27.9326, 28.6844, 85.7263**.

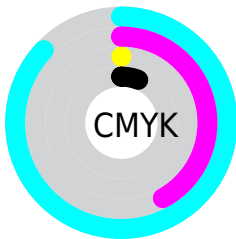
Distribution



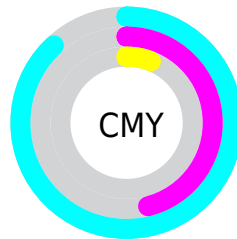
- Red (12%)
- Green (54%)
- Blue (94%)



- Red (12%)
- Yellow (40%)
- Blue (94%)



- Cyan (87%)
- Magenta (42%)
- Yellow (0%)
- Black (6%)



- Cyan (88%)
- Magenta (46%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.2039, 24.6850, 85.0976 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 25.2039, 24.6850, 85.0976 by changing the saturation by 10% instead.

■ 25.2039, 24.6850,
85.0976

■ 25.2039, 24.6850,
85.0976

271.1808,
276.2656, 532.1040

■ 16.3586, 15.8425,
63.3714

■ 51.4283, 51.1457,
142.3849

■ 9.8707, 9.4128,
45.6988

■ 69.5381, 69.5328,
178.7831

■ 5.3749, 5.0114,
31.6613

■ 91.4668, 91.8702,
220.9091

■ 2.5059, 2.2539,
20.8402

■ 117.5797,
118.5422, 269.1813

■ 0.8982, 0.7492,
12.8172

■ 148.2422,
149.9334, 324.0184

■ 0.0000, 0.0000,
7.1735

183.8197,

■ 0.0000, 0.0000,

186.4281, 385.8388

3.4908

224.6774,
228.4107, 455.0612

■ 0.0000, 0.0000,
1.3504

■ 0.0000, 0.0000,
0.1025

■ 25.2039, 24.6850,
85.0976

■ 25.2039, 24.6850,
85.0976

■ 23.1753, 21.3086,
84.5534

■ 27.9326, 28.6844,
85.7263

■ 22.7237, 20.5193,
84.4248

■ 31.4709, 33.3705,
86.4443

■ 35.9063, 38.7959,
87.2578

■ 41.3130, 45.0062,
88.1715

■ 47.7565, 52.0420,
89.1900

■ 55.2963, 59.9406,
90.3172

■ 63.9873, 68.7368,
91.5569

■ 73.8801, 78.4630,
92.9129

■ 85.0223, 89.1497,
94.3883

Harmonies

Analogous

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



18.7046, 24.6850, 79.5614



25.2039, 24.6850, 85.0976



32.4881, 24.6850, 69.9395

Triad

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



25.2039, 24.6850, 85.0976



35.6999, 24.6850, 9.7632



13.2065, 24.6850, 14.7168

Complementary

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



25.2039, 24.6850, 85.0976



43.9516, 34.6849, 5.6085

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.



16.2853, 24.6850, 6.5480



25.2039, 24.6850, 85.0976



28.9654, 24.6850, 4.8264

Square

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



25.2039, 24.6850, 85.0976



39.2748, 24.6850, 22.2968



21.8029, 24.6850, 4.0381



12.5914, 24.6850, 32.0468

Rectangle

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



25.2039, 24.6850, 85.0976



36.5323, 24.6850, 53.1049



21.8029, 24.6850, 4.0381



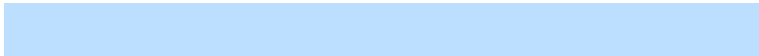
13.9535, 24.6850, 11.1220

Sweetspot

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



25.2050, 24.6857, 85.0983



65.3379, 70.7524, 104.8206



35.2696, 63.5565, 30.6754



13.2901, 14.4279, 22.3344



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.



25.2050, 24.6857, 85.0983



26.2680, 23.6560, 97.7893



16.7777, 7.8313, 82.2892



15.5728, 16.5797, 20.1010



12.6897, 11.6037, 46.6988



1.1553, 1.1645, 3.9181

Inverse Universe

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



40.6493, 21.1158, 25.9784



45.3881, 22.9192, 23.7734



64.6980, 76.1776, 12.5240



16.1138, 15.8952, 18.1555



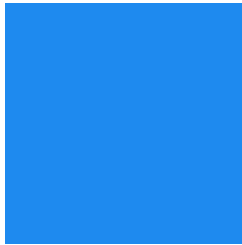
21.7308, 10.9648, 11.7650



1.8581, 0.9323, 1.2435

Previews

White Background



This preview shows how the XYZ color 25.2039, 24.6850, 85.0976 looks on a white background.

Color Contrast Check

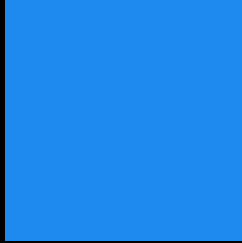
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.2039, 24.6850, 85.0976 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

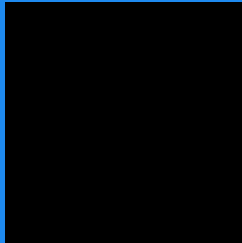
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

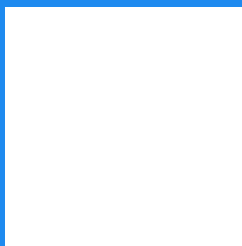
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 25.2039, 24.6850, 85.0976

Background



This preview shows how black text looks on a background with the XYZ color 25.2039, 24.6850, 85.0976.



This preview shows how white text looks on a background with the XYZ color 25.2039, 24.6850,

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

25.2039, 24.6850, 85.0976

Protanopia

27.2736, 24.6099, 80.4035

Deuteranopia

25.4805, 24.6156, 85.0697



Tritanopia

17.3394, 24.3859, 37.5113

Trichromacy



Original Color

25.2039, 24.6850, 85.0976

Protanomaly

25.9747, 24.3136, 81.9212

Deuteranomaly

25.3250, 24.5354, 85.0624

Tritanomaly

19.6022, 24.3030, 51.8019

Monochromacy



Original Color

25.2039, 24.6850, 85.0976

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

17.5130, 19.1717, 36.4957

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.2039, 24.6850, 85.0976 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(30, 138, 239)` looks like.

```
.text, #text, p{  
    color:rgb(30, 138, 239)  
}
```

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(30, 138, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 138, 239) }
```

Border

The CSS property to change the border of an element to XYZ 25.2039, 24.6850, 85.0976 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(30, 138, 239) }
```


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

```
.border{ border-color:rgb(30, 138, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(30, 138, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 138, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 138, 239);  
box-shadow:4px 4px 4px 4px rgb(30, 138,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 25.2039, 24.6850, 85.0976 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 138, 239) }
```

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

```
.background{ background-color: rgb(30, 138,  
239) }
```

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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