

Converting Colors

XYZ(11.9103, 15.8279, 88.6835)

Have a look what the booklet for
XYZ(11.9103, 15.8279, 88.6835)
contains.

XYZ(24.3317, 22.2931, 89.4068)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(24.3317, 22.2931,
89.4068)**

Conversions

Conversions Part 1

Format	Color
Hex	0081F5
RGB	0, 129, 245
RGB Percent	0%, 51%, 96%
CMY	0.9997, 0.4941, 0.0392
CMYK	1.00, 0.47, 0.00, 0.04
HSL	208°, 100%, 48%
HSV	208°, 100%, 96%
XYZ	24.3317, 22.2931, 89.4068
YIQ	103.6530, -114.1200, 8.7280

Conversions

Conversions Part 2

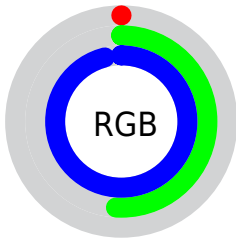
Format	Color
R _Y B	0, 85, 245
Decimal	33269
CIE Lab	54.34, 14.30, -66.01
CIE LCh	54, 67.546, 282.226
Yxy	22.2931, 0.1789, 0.1639
Android (android.graphics.Color)	4278223349 (0xFF0081F5)
YUV	103.6530, 69.6841, -90.9037
Hunter-Lab	47.2156, 9.3595, -79.2199

Details

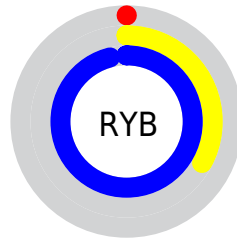
The XYZ color **24.3317, 22.2931, 89.4068** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark saturated azure. A complement of this color would be **43.9103, 31.9197, 3.8488**, and the grayscale version is **12.9135, 13.5860, 14.7951**.

A 20% lighter version of the original color is **41.0043, 43.5827, 100.8589**, and **12.0195, 9.5157, 48.7802** is the 20% darker color. If you saturate the color by 10%, you get **24.3275, 22.2845, 89.4059**, and if you desaturate by 10%, it is **26.3385, 25.7270, 89.9644**.

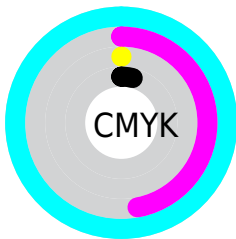
Distribution



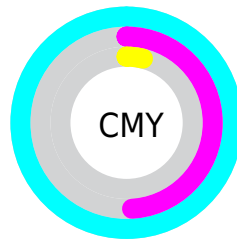
- Red (0%)
- Green (51%)
- Blue (96%)



- Red (0%)
- Yellow (33%)
- Blue (96%)



- Cyan (100%)
- Magenta (47%)
- Yellow (0%)
- Black (4%)



- Cyan (100%)
- Magenta (49%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.3317, 22.2931, 89.4068 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 24.3317, 22.2931, 89.4068 by changing the saturation by 10% instead.

■ 24.3317, 22.2931,
89.4068

■ 24.3317, 22.2931,
89.4068

266.9026,
264.0731, 546.6195

■ 15.7059, 14.0724,
66.9178

■ 50.0217, 47.2300,
148.4424

■ 9.4058, 8.1711,
48.5567

■ 67.8166, 64.7149,
185.8262

■ 5.0660, 4.2046,
33.9048

■ 89.3986, 86.0568,
229.0119

■ 2.3212, 1.7887,
22.5437

■ 115.1331,
111.6399, 278.4182

■ 0.8055, 0.4801,
14.0548

■ 145.3854,
141.8487, 334.4636

■ 0.0000, 0.0000,
8.0196

180.5208,

■ 0.0000, 0.0000,

177.0676, 397.5666

4.0196

220.9048,
217.6809, 468.1457

■ 0.0000, 0.0000,
1.6361

■ 0.0000, 0.0000,
0.3164

■ 24.3317, 22.2931,
89.4068

■ 24.3317, 22.2931,
89.4068

■ 24.3275, 22.2845,
89.4059

■ 26.3385, 25.7270,
89.9644

■ 29.0134, 29.7711,
90.6040

■ 32.5142, 34.5146,
91.3351

■ 36.9368, 40.0145,
92.1636

■ 42.3625, 46.3199,
93.0947

■ 48.8630, 53.4746,
94.1330

■ 56.5026, 61.5185,
95.2830

■ 65.3402, 70.4886,
96.5486

■ 75.4307, 80.4193,
97.9336

Harmonies

Analogous

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



17.1530, 22.2931, 87.0050



24.3317, 22.2931, 89.4068



32.2030, 22.2931, 68.3989

Triad

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



24.3317, 22.2931, 89.4068



33.5015, 22.2931, 5.9454



10.3615, 22.2931, 13.8777

Complementary

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



24.3317, 22.2931, 89.4068



43.9103, 31.9197, 3.8488

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.



13.0251, 22.2931, 4.9234



24.3317, 22.2931, 89.4068



25.8129, 22.2931, 2.5137

Square

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



24.3317, 22.2931, 89.4068



38.2626, 22.2931, 16.6576



18.3291, 22.2931, 2.2962



10.1429, 22.2931, 33.9154

Rectangle

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



24.3317, 22.2931, 89.4068



36.3520, 22.2931, 48.5038



18.3291, 22.2931, 2.2962



10.9661, 22.2931, 9.8541

Sweetspot

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



24.3327, 22.2937, 89.4074



61.7964, 67.2870, 104.3384



35.7119, 66.5291, 26.9897



12.4379, 13.5803, 22.2157



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.



24.3327, 22.2937, 89.4074



26.6071, 24.3341, 97.9024



16.5718, 6.7718, 86.8204



16.3032, 17.3706, 21.0362



13.2455, 12.2848, 48.2111



1.2670, 1.2855, 4.2716

Inverse Universe

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



41.6197, 20.9991, 22.6287



45.5592, 22.9877, 24.6746



67.8936, 79.8864, 11.8433



16.8636, 16.6283, 19.0283



22.4902, 11.3395, 12.5558



2.0286, 1.0174, 1.3770

Previews

White Background



This preview shows how the XYZ color 24.3317, 22.2931, 89.4068 looks on a white background.

Color Contrast Check

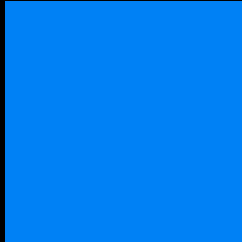
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.3317, 22.2931, 89.4068 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

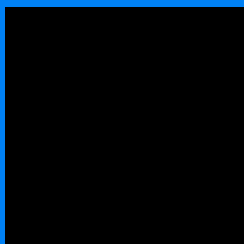
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

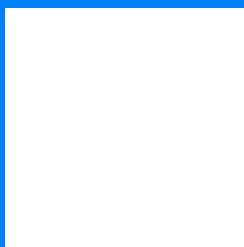
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.3317, 22.2931, 89.4068

Background



This preview shows how black text looks on a background with the XYZ color 24.3317, 22.2931, 89.4068.



This preview shows how white text looks on a background with the XYZ color 24.3317, 22.2931,

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

24.3317, 22.2931, 89.4068

Protanopia

25.5947, 22.2470, 86.1642

Deuteranopia

22.6751, 22.2721, 78.7051



Tritanopia

15.7230, 22.2464, 33.6023

Trichromacy



Original Color

24.3317, 22.2931, 89.4068

Protanomaly

24.4841, 21.8461, 86.9307

Deuteranomaly

23.2566, 22.2887, 82.4333

Tritanomaly

18.0955, 22.0104, 49.7491

Monochromacy



Original Color

24.3317, 22.2931, 89.4068

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

14.0683, 15.3351, 33.2288

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.3317, 22.2931, 89.4068 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, 129, 245)` looks like.

```
.text, #text, p{  
    color:rgb(0, 129, 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, 129, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 129, 245) }
```

Border

The CSS property to change the border of an element to XYZ 24.3317, 22.2931, 89.4068 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, 129, 245) }
```


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

```
.border{ border-color:rgb(0, 129, 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, 129, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 129, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 129, 245);  
box-shadow:4px 4px 4px 4px rgb(0, 129,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 24.3317, 22.2931, 89.4068 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 129, 245) }
```

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

```
.background{ background-color: rgb(0, 129,  
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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor