

Converting Colors

XYZ(10.8089, 15.6544, 86.4694)

Have a look what the booklet for
XYZ(10.8089, 15.6544, 86.4694)
contains.

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Color

**XYZ(24.0096, 22.3761,
87.0580)**

Conversions

Conversions Part 1

Format	Color
Hex	0082F2
RGB	0, 130, 242
RGB Percent	0%, 51%, 95%
CMY	0.9998, 0.4902, 0.0510
CMYK	1.00, 0.46, 0.00, 0.05
HSL	208°, 100%, 47%
HSV	208°, 100%, 95%
XYZ	24.0096, 22.3761, 87.0580
YIQ	103.8980, -113.4320, 7.2720

Conversions

Conversions Part 2

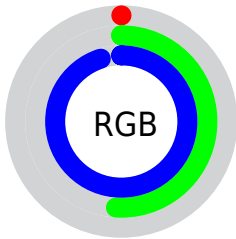
Format	Color
R _Y B	0, 85, 242
Decimal	33522
CIE Lab	54.42, 12.52, -64.21
CIE LCh	54, 65.418, 281.034
Yxy	22.3761, 0.1799, 0.1677
Android (android.graphics.Color)	4278223602 (0xFF0082F2)
YUV	103.8980, 68.0843, -91.1185
Hunter-Lab	47.3034, 7.8197, -76.0060

Details

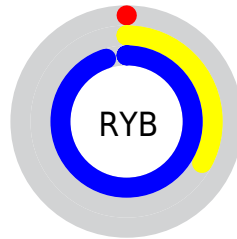
The XYZ color **24.0096, 22.3761, 87.0580** is a dark color, and the websafe version is hex **3399FF**. The color can be described as dark saturated azure. A complement of this color would be **42.4194, 30.4793, 3.6491**, and the grayscale version is **12.9817, 13.6578, 14.8733**.

A 20% lighter version of the original color is **41.0846, 43.9271, 100.9211**, and **11.7742, 9.5374, 47.1193** is the 20% darker color. If you saturate the color by 10%, you get **24.0061, 22.3688, 87.0573**, and if you desaturate by 10%, it is **25.9650, 25.7181, 87.6006**.

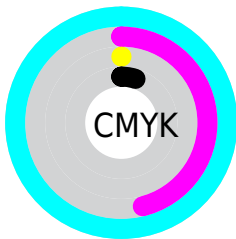
Distribution



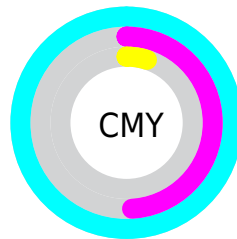
- Red (0%)
- Green (51%)
- Blue (95%)



- Red (0%)
- Yellow (33%)
- Blue (95%)



- Cyan (100%)
- Magenta (46%)
- Yellow (0%)
- Black (5%)



- Cyan (100%)
- Magenta (49%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.0096, 22.3761, 87.0580 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 24.0096, 22.3761, 87.0580 by changing the saturation by 10% instead.

■ 24.0096, 22.3761,
87.0580

■ 24.0096, 22.3761,
87.0580

265.3086,
264.5041, 538.7346

■ 15.4655, 14.1335,
64.9833

■ 49.5004, 47.3668,
145.1446

■ 9.2352, 8.2136,
46.9963

■ 67.1779, 64.8838,
181.9935

■ 4.9532, 4.2319,
32.6784

■ 88.6305, 86.2609,
224.6043

■ 2.2543, 1.8041,
21.6111

■ 114.2236,
111.8827, 273.3954

■ 0.7711, 0.4897,
13.3758

■ 144.3227,
142.1335, 328.7855

■ 0.0000, 0.0000,
7.5541

179.2929,

■ 0.0000, 0.0000,

177.3978, 391.1930

3.7273

219.4998,
218.0598, 461.0365

■ 0.0000, 0.0000,
1.4770

■ 0.0000, 0.0000,
0.2007

■ 24.0096, 22.3761,
87.0580

■ 24.0096, 22.3761,
87.0580

■ 24.0061, 22.3688,
87.0573

■ 25.9650, 25.7181,
87.6006

■ 28.5622, 29.6391,
88.2205

■ 31.9548, 34.2254,
88.9269

■ 36.2355, 39.5315,
89.7255

■ 41.4829, 45.6043,
90.6211

■ 47.7660, 52.4858,
91.6182

■ 55.1470, 60.2141,
92.7209

■ 63.6829, 68.8243,
93.9329

■ 73.4265, 78.3495,
95.2579

Harmonies

Analogous

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



17.1046, 22.3761, 83.8043



24.0096, 22.3761, 87.0580



31.6324, 22.3761, 67.7763

Triad

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



24.0096, 22.3761, 87.0580



33.4174, 22.3761, 6.5770



10.7343, 22.3761, 13.6755

Complementary

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



24.0096, 22.3761, 87.0580



42.4194, 30.4793, 3.6491

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.



13.4576, 22.3761, 5.0958



24.0096, 22.3761, 87.0580



26.0570, 22.3761, 2.8747

Square

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



24.0096, 22.3761, 87.0580



37.8199, 22.3761, 17.5772



18.7431, 22.3761, 2.5487



10.4252, 22.3761, 32.7048

Rectangle

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



24.0096, 22.3761, 87.0580



35.7089, 22.3761, 48.8437



18.7431, 22.3761, 2.5487



11.3633, 22.3761, 9.8359

Sweetspot

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



24.0106, 22.3767, 87.0586



62.0098, 67.7137, 104.4095



34.5099, 64.6078, 25.1010



12.4884, 13.6814, 22.2325



0.0000, 0.0000, 0.0000



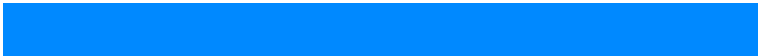
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



24.0106, 22.3767, 87.0586



26.9891, 25.0983, 98.0297



16.1613, 6.6780, 84.4422



15.6004, 16.6350, 20.1102



13.0345, 12.2933, 46.8137



1.1838, 1.2216, 3.9276

Inverse Universe

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



40.6482, 20.4904, 22.9320



45.7521, 23.0648, 25.6902



64.8886, 75.4176, 11.1388



16.1278, 15.9008, 18.2290



21.9049, 11.0344, 12.6814



1.8725, 0.9380, 1.3194

Previews

White Background



This preview shows how the XYZ color 24.0096, 22.3761, 87.0580 looks on a white background.

Color Contrast Check

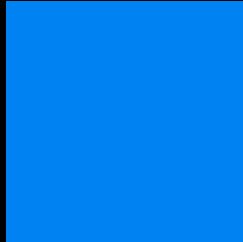
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.0096, 22.3761, 87.0580 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

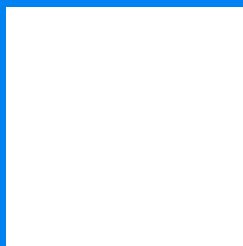
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.0096, 22.3761, 87.0580

Background



This preview shows how black text looks on a background with the XYZ color 24.0096, 22.3761, 87.0580.



This preview shows how white text looks on a background with the XYZ color 24.0096, 22.3761,

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

24.0096, 22.3761, 87.0580

Protanopia

25.6411, 22.5112, 83.8826

Deuteranopia

22.8168, 22.3287, 79.4512



Tritanopia

15.7230, 22.2464, 33.6023

Trichromacy



Original Color

24.0096, 22.3761, 87.0580

Protanomaly

24.2961, 21.9916, 84.6256

Deuteranomaly

23.2566, 22.2887, 82.4333

Tritanomaly

17.9896, 21.9680, 49.1910

Monochromacy



Original Color

24.0096, 22.3761, 87.0580

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

13.9846, 15.3016, 32.7883

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.0096, 22.3761, 87.0580 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, 130, 242)` looks like.

```
.text, #text, p{  
    color:rgb(0, 130, 242)  
}
```

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, 130, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 130, 242) }
```

Border

The CSS property to change the border of an element to XYZ 24.0096, 22.3761, 87.0580 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, 130, 242) }
```


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

```
.border{ border-color:rgb(0, 130, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 130, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 130, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 130, 242);  
box-shadow:4px 4px 4px 4px rgb(0, 130,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 24.0096, 22.3761, 87.0580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 130, 242) }
```

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

```
.background{ background-color: rgb(0, 130,  
242) }
```

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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