

Converting Colors

XYZ(24.2073, 22.7113, 87.3093)

Have a look what the booklet for
XYZ(24.2073, 22.7113, 87.3093)
contains.

XYZ(24.1433, 22.6434, 87.1025)	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(24.1433, 22.6434,
87.1025)**

Conversions

Conversions Part 1

Format	Color
Hex	0083F2
RGB	0, 131, 242
RGB Percent	0%, 51%, 95%
CMY	0.9997, 0.4863, 0.0510
CMYK	1.00, 0.46, 0.00, 0.05
HSL	208°, 100%, 47%
HSV	208°, 100%, 95%
XYZ	24.1433, 22.6434, 87.1025
YIQ	104.4850, -113.7070, 6.7490

Conversions

Conversions Part 2

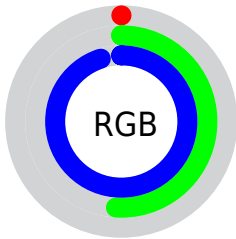
Format	Color
R _{YB}	0, 85, 242
Decimal	33778
CIE Lab	54.70, 11.90, -63.76
CIE LCh	55, 64.860, 280.574
Yxy	22.6434, 0.1803, 0.1691
Android (android.graphics.Color)	4278223858 (0xFF0083F2)
YUV	104.4850, 67.7949, -91.6333
Hunter-Lab	47.5851, 7.2919, -75.2183

Details

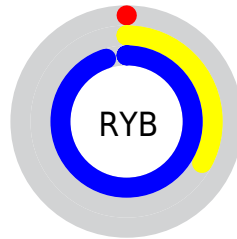
The XYZ color **24.1433, 22.6434, 87.1025** is a dark color, and the websafe version is hex **3399FF**. The color can be described as dark saturated azure. A complement of this color would be **42.3103, 30.2611, 3.6129**, and the grayscale version is **13.1393, 13.8236, 15.0539**.

A 20% lighter version of the original color is **41.2902, 44.3382, 100.9896**, and **11.8502, 9.6893, 47.1446** is the 20% darker color. If you saturate the color by 10%, you get **24.1394, 22.6353, 87.1017**, and if you desaturate by 10%, it is **26.0986, 25.9852, 87.6450**.

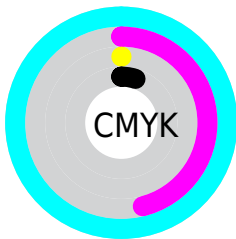
Distribution



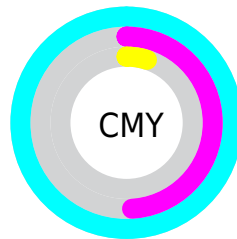
- Red (0%)
- Green (51%)
- Blue (95%)



- 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 24.1433, 22.6434, 87.1025 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 24.1433, 22.6434, 87.1025 by changing the saturation by 10% instead.

■ 24.1433, 22.6434,
87.1025

■ 24.1433, 22.6434,
87.1025

265.9712,
265.8881, 538.8846

■ 15.5653, 14.3304,
65.0199

■ 49.7169, 47.8071,
145.2071

■ 9.3059, 8.3508,
47.0258

■ 67.4432, 65.4267,
182.0663

■ 5.0000, 4.3203,
32.7015

■ 88.9496, 86.9172,
224.6880

■ 2.2820, 1.8543,
21.6287

■ 114.6016,
112.6630, 273.4909

■ 0.7854, 0.5207,
13.3886

■ 144.7643,
143.0487, 328.8934

■ 0.0000, 0.0000,
7.5628

179.8033,

■ 0.0000, 0.0000,

178.4585, 391.3142

3.7328

220.0838,
219.2768, 461.1717

■ 0.0000, 0.0000,
1.4799

■ 0.0000, 0.0000,
0.2029

■ 24.1433, 22.6434,
87.1025

■ 24.1433, 22.6434,
87.1025

■ 24.1394, 22.6353,
87.1017

■ 26.0986, 25.9852,
87.6450

■ 28.6933, 29.9008,
88.2641

■ 32.0806, 34.4763,
88.9687

■ 36.3532, 39.7659,
89.7645

■ 41.5895, 45.8163,
90.6564

■ 47.8585, 52.6692,
91.6487

■ 55.2222, 60.3624,
92.7455

■ 63.7374, 68.9310,
93.9506

■ 73.4569, 78.4076,
95.2675

Harmonies

Analogous

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



17.2676, 22.6434, 83.5067



24.1433, 22.6434, 87.1025



31.7541, 22.6434, 68.2549

Triad

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



24.1433, 22.6434, 87.1025



33.7375, 22.6434, 6.8942



10.9898, 22.6434, 13.7457

Complementary

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



24.1433, 22.6434, 87.1025



42.3103, 30.2611, 3.6129

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.



13.7642, 22.6434, 5.2159



24.1433, 22.6434, 87.1025



26.4232, 22.6434, 3.0490

Square

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



24.1433, 22.6434, 87.1025



38.0530, 22.6434, 18.1152



19.0974, 22.6434, 2.6752



10.6428, 22.6434, 32.6047

Rectangle

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



24.1433, 22.6434, 87.1025



35.8462, 22.6434, 49.4839



19.0974, 22.6434, 2.6752



11.6348, 22.6434, 9.9340

Sweetspot

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



24.1443, 22.6440, 87.1031



62.0924, 67.8789, 104.4371



34.5101, 64.6079, 25.1020



12.5080, 13.7205, 22.2390



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.



24.1443, 22.6440, 87.1031



27.1392, 25.3984, 98.0797



16.1614, 6.6782, 84.4422



15.6060, 16.6461, 20.1121



13.1062, 12.4367, 46.8376



1.1897, 1.2334, 3.9296

Inverse Universe

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



40.7157, 20.5175, 23.2873



45.8278, 23.0951, 26.0890



64.8887, 75.4177, 11.1390



16.1306, 15.9019, 18.2438



21.9410, 11.0488, 12.8719



1.8755, 0.9392, 1.3351

Previews

White Background



This preview shows how the XYZ color 24.1433, 22.6434, 87.1025 looks on a white background.

Color Contrast Check

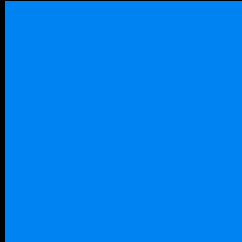
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.1433, 22.6434, 87.1025 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

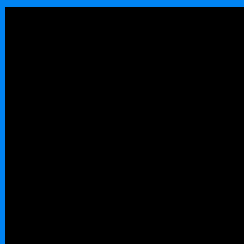
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

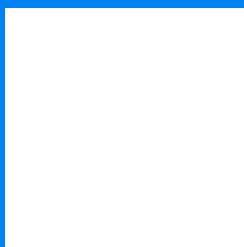
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.1433, 22.6434, 87.1025

Background



This preview shows how black text looks on a background with the XYZ color 24.1433, 22.6434, 87.1025.



This preview shows how white text looks on a background with the XYZ color 24.1433, 22.6434,

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

24.1433, 22.6434, 87.1025

Protanopia

25.6486, 22.5320, 83.1180

Deuteranopia

23.2388, 22.7156, 81.0016



Tritanopia

15.9581, 22.5839, 34.0899

Trichromacy



Original Color

24.1433, 22.6434, 87.1025

Protanomaly

24.5181, 22.2987, 84.6732

Deuteranomaly

23.5373, 22.6170, 83.2457

Tritanomaly

18.2410, 22.3013, 49.7976

Monochromacy



Original Color

24.1433, 22.6434, 87.1025

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

14.2484, 15.5945, 33.2694

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.1433, 22.6434, 87.1025 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, 131, 242)` looks like.

```
.text, #text, p{  
    color:rgb(0, 131, 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, 131, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 131, 242) }
```

Border

The CSS property to change the border of an element to XYZ 24.1433, 22.6434, 87.1025 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, 131, 242) }
```


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

```
.border{ border-color:rgb(0, 131, 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, 131, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 131, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 131, 242);  
box-shadow:4px 4px 4px 4px rgb(0, 131,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 24.1433, 22.6434, 87.1025 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 131, 242) }
```

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

```
.background{ background-color: rgb(0, 131,  
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](#).

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