

Converting Colors

XYZ(7.5437, 14.2450, 82.2298)

Have a look what the booklet for
XYZ(7.5437, 14.2450, 82.2298)
contains.

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Color

**XYZ(23.4024, 22.3470,
83.2007)**

Conversions

Conversions Part 1

Format	Color
Hex	0083ED
RGB	0, 131, 237
RGB Percent	0%, 51%, 93%
CMY	0.9997, 0.4863, 0.0706
CMYK	1.00, 0.45, 0.00, 0.07
HSL	207°, 100%, 46%
HSV	207°, 100%, 93%
XYZ	23.4024, 22.3470, 83.2007
YIQ	103.9150, -112.1020, 5.1940

Conversions

Conversions Part 2

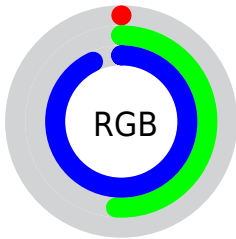
Format	Color
RYB	0, 84, 237
Decimal	33773
CIELab	54.39, 9.97, -61.48
CIELCh	54, 62.281, 279.207
Yxy	22.3470, 0.1815, 0.1733
Android (android.graphics.Color)	4278223853 (0xFF0083ED)
YUV	103.9150, 65.6109, -91.1335
Hunter-Lab	47.2726, 5.6397, -71.2607

Details

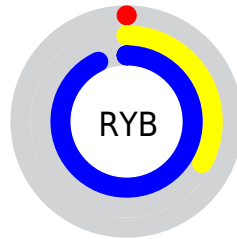
The XYZ color **23.4024, 22.3470, 83.2007** is a dark color, and the websafe version is hex **3399FF**. The color can be described as dark washed azure. A complement of this color would be **40.0870, 28.3275, 3.3570**, and the grayscale version is **12.9930, 13.6697, 14.8863**.

A 20% lighter version of the original color is **41.0469, 44.2128, 100.9783**, and **11.3315, 9.4818, 44.4130** is the 20% darker color. If you saturate the color by 10%, you get **23.3983, 22.3387, 83.1999**, and if you desaturate by 10%, it is **25.2715, 25.5341, 83.7179**.

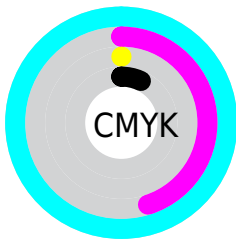
Distribution



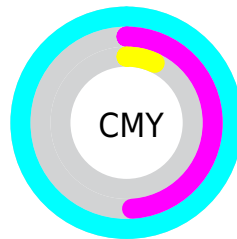
- Red (0%)
- Green (51%)
- Blue (93%)



- Red (0%)
- Yellow (33%)
- Blue (93%)



- Cyan (100%)
- Magenta (45%)
- Yellow (0%)
- Black (7%)



- Cyan (100%)
- Magenta (49%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.4024, 22.3470, 83.2007 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 23.4024, 22.3470, 83.2007 by changing the saturation by 10% instead.

■ 23.4024, 22.3470,
83.2007

■ 23.4024, 22.3470,
83.2007

262.2820,
264.3531, 525.6437

■ 15.0132, 14.1121,
61.8142

■ 48.5150, 47.3188,
139.7083

■ 8.9151, 8.1987,
44.4477

■ 65.9692, 64.8246,
175.6664

■ 4.7425, 4.2223,
30.6829

■ 87.1758, 86.1894,
217.3188

■ 2.1302, 1.7987,
20.1011

■ 112.5001,
111.7976, 265.0840

■ 0.7055, 0.4864,
12.2837

■ 142.3076,
142.0337, 319.3805

■ 0.0000, 0.0000,
6.8123

176.9635,

■ 0.0000, 0.0000,

177.2821, 380.6269

3.2683

216.8332,
217.9270, 449.2418

■ 0.0000, 0.0000,
1.2332

■ 0.0000, 0.0000,
0.0061

■ 23.4024, 22.3470,
83.2007

■ 23.4024, 22.3470,
83.2007

■ 23.3983, 22.3387,
83.1999

■ 25.2715, 25.5341,
83.7179

■ 27.7421, 29.2537,
84.3056

■ 30.9607, 33.5875,
84.9725

■ 35.0150, 38.5863,
85.7237

■ 39.9790, 44.2939,
86.5637

■ 45.9180, 50.7492,
87.4967

■ 52.8906, 57.9876,
88.5264

■ 60.9506, 66.0418,
89.6562

■ 70.1477, 74.9425,
90.8894

Harmonies

Analogous

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



16.9272, 22.3470, 78.8373



23.4024, 22.3470, 83.2007



30.6272, 22.3470, 66.4285

Triad

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



23.4024, 22.3470, 83.2007



33.0724, 22.3470, 7.5039



11.2089, 22.3470, 13.3099

Complementary

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



23.4024, 22.3470, 83.2007



40.0870, 28.3275, 3.3570

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.



13.9987, 22.3470, 5.3183



23.4024, 22.3470, 83.2007



26.2298, 22.3470, 3.4265

Square

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



23.4024, 22.3470, 83.2007



36.9438, 22.3470, 18.8172



19.2154, 22.3470, 2.9236



10.7685, 22.3470, 30.8312

Rectangle

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



23.4024, 22.3470, 83.2007



34.5733, 22.3470, 48.9874



19.2154, 22.3470, 2.9236



11.8693, 22.3470, 9.7522

Sweetspot

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



23.4034, 22.3476, 83.2013



62.3220, 68.3382, 104.5136



32.7204, 61.5433, 22.9182



12.5625, 13.8294, 22.2572



0.0000, 0.0000, 0.0000



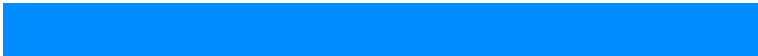
20.3446, 21.4041, 23.3091

Same Dimension

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



23.4034, 22.3476, 83.2013



27.5624, 26.2448, 98.2208



15.4704, 6.4815, 80.5570



14.9214, 15.9292, 19.2104



12.9076, 12.4622, 45.4681



1.1094, 1.1702, 3.6023

Inverse Universe

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



39.0228, 19.6449, 23.2080



46.0414, 23.1806, 27.2140



60.8364, 69.8262, 10.2734



15.4139, 15.1934, 17.4647



21.3705, 10.7509, 13.0181



1.7264, 0.8635, 1.2769

Previews

White Background



This preview shows how the XYZ color 23.4024, 22.3470, 83.2007 looks on a white background.

Color Contrast Check

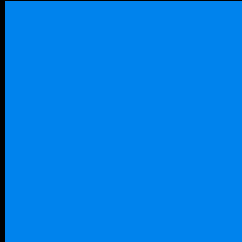
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.4024, 22.3470, 83.2007 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

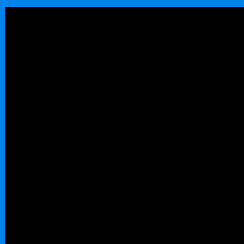
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

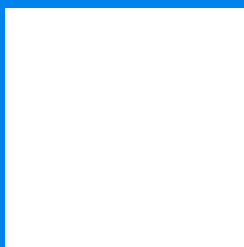
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.4024, 22.3470, 83.2007

Background



This preview shows how black text looks on a background with the XYZ color 23.4024, 22.3470, 83.2007.



This preview shows how white text looks on a background with the XYZ color 23.4024, 22.3470,

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

23.4024, 22.3470, 83.2007

Protanopia

25.2508, 22.4102, 79.3387

Deuteranopia

22.9592, 22.3857, 80.2016



Tritanopia

15.8060, 22.2796, 34.0392

Trichromacy



Original Color

23.4024, 22.3470, 83.2007

Protanomaly

23.8858, 22.0570, 80.8404

Deuteranomaly

23.1025, 22.4430, 80.9562

Tritanomaly

17.8843, 21.9259, 48.6369

Monochromacy



Original Color

23.4024, 22.3470, 83.2007

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

13.9316, 15.4599, 31.9555

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.4024, 22.3470, 83.2007 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, 237)` looks like.

```
.text, #text, p{  
    color:rgb(0, 131, 237)  
}
```

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, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 131, 237) }
```

Border

The CSS property to change the border of an element to XYZ 23.4024, 22.3470, 83.2007 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, 237) }
```


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

```
.border{ border-color:rgb(0, 131, 237) }
```

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, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 131, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 131, 237);  
box-shadow:4px 4px 4px 4px rgb(0, 131,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 23.4024, 22.3470, 83.2007 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, 237) }
```

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

```
.background{ background-color: rgb(0, 131,  
237) }
```

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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