

Converting Colors

XYZ(21.8372, 22.6037, 83.1920)

Have a look what the booklet for
XYZ(21.8372, 22.6037, 83.1920)
contains.

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Color

**XYZ(24.0902, 23.7227,
83.4300)**

Conversions

Conversions Part 1

Format	Color
Hex	0088ED
RGB	0, 136, 237
RGB Percent	0%, 53%, 93%
CMY	0.9997, 0.4667, 0.0706
CMYK	1.00, 0.43, 0.00, 0.07
HSL	206°, 100%, 46%
HSV	206°, 100%, 93%
XYZ	24.0902, 23.7227, 83.4300
YIQ	106.8500, -113.4770, 2.5790

Conversions

Conversions Part 2

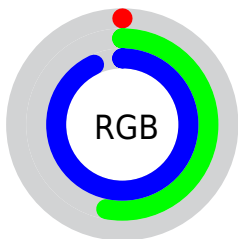
Format	Color
RYB	0, 86, 237
Decimal	35053
CIELab	55.81, 6.90, -59.21
CIELCh	56, 59.606, 276.650
Yxy	23.7227, 0.1836, 0.1808
Android (android.graphics.Color)	4278225133 (0xFF0088ED)
YUV	106.8500, 64.1639, -93.7074
Hunter-Lab	48.7060, 3.0515, -67.4656

Details

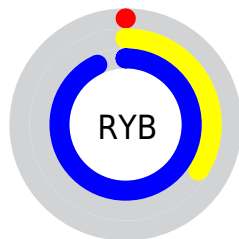
The XYZ color **24.0902, 23.7227, 83.4300** is a dark color, and the websafe version is hex **3399FF**. The color can be described as dark washed azure. A complement of this color would be **39.5856, 27.3248, 3.1897**, and the grayscale version is **13.7900, 14.5081, 15.7993**.

A 20% lighter version of the original color is **42.3110, 46.7410, 101.3996**, and **11.6464, 10.1117, 44.5179** is the 20% darker color. If you saturate the color by 10%, you get **24.0865, 23.7152, 83.4293**, and if you desaturate by 10%, it is **25.9521, 26.8955, 83.9448**.

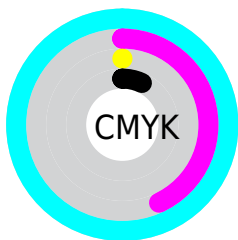
Distribution



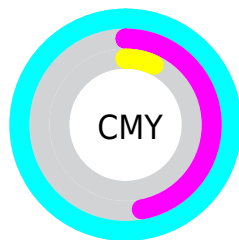
- Red (0%)
- Green (53%)
- Blue (93%)



- Red (0%)
- Yellow (34%)
- Blue (93%)



- Cyan (100%)
- Magenta (43%)
- Yellow (0%)
- Black (7%)



- Cyan (100%)
- Magenta (47%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.0902, 23.7227, 83.4300 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 24.0902, 23.7227, 83.4300 by changing the saturation by 10% instead.

■ 24.0902, 23.7227,
83.4300

■ 24.0902, 23.7227,
83.4300

265.7082,
271.4155, 526.4270

■ 15.5256, 15.1280,
62.0023

■ 49.6310, 49.5773,
140.0322

■ 9.2778, 8.9093,
44.5987

■ 67.3379, 67.6061,
176.0437

■ 4.9814, 4.6821,
30.8008

■ 88.8229, 89.5483,
217.7535

■ 2.2710, 2.0620,
20.1900

■ 114.4515,
115.7884, 265.5803

■ 0.7798, 0.6431,
12.3478

■ 144.5890,
146.7108, 319.9425

■ 0.0000, 0.0000,
6.8556

179.6007,

■ 0.0000, 0.0000,

182.6998, 381.2586

3.2949

219.8520,
224.1400, 449.9473

■ 0.0000, 0.0000,
1.2471

■ 0.0000, 0.0000,
0.0178

■ 24.0902, 23.7227,
83.4300

■ 24.0902, 23.7227,
83.4300

■ 24.0865, 23.7152,
83.4293

■ 25.9521, 26.8955,
83.9448

■ 28.4031, 30.5761,
84.5261

■ 31.5893, 34.8452,
85.1822

■ 35.5977, 39.7525,
85.9181

■ 40.5019, 45.3407,
86.7383

■ 46.3665, 51.6477,
87.6465

■ 53.2499, 58.7078,
88.6465

■ 61.2051, 66.5530,
89.7415

■ 70.2816, 75.2128,
90.9346

Harmonies

Analogous

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



17.7689, 23.7227, 77.4513



24.0902, 23.7227, 83.4300



31.2517, 23.7227, 68.8102

Triad

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



24.0902, 23.7227, 83.4300



34.6965, 23.7227, 9.3474



12.5780, 23.7227, 13.6858

Complementary

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



24.0902, 23.7227, 83.4300



39.5856, 27.3248, 3.1897

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.



15.6315, 23.7227, 5.9716



24.0902, 23.7227, 83.4300



28.1147, 23.7227, 4.4875

Square

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



24.0902, 23.7227, 83.4300



38.1192, 23.7227, 21.7459



21.0725, 23.7227, 3.6698



11.9261, 23.7227, 30.3958

Rectangle

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



24.0902, 23.7227, 83.4300



35.2733, 23.7227, 52.2462



21.0725, 23.7227, 3.6698



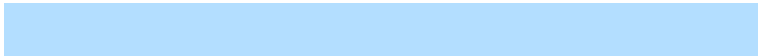
13.3229, 23.7227, 10.2701

Sweetspot

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



24.0912, 23.7234, 83.4306



62.7500, 69.1941, 104.6563



32.5272, 61.4660, 21.9011



12.6640, 14.0325, 22.2910



0.0000, 0.0000, 0.0000



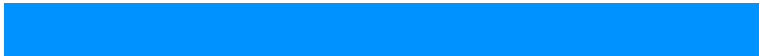
20.3446, 21.4041, 23.3091

Same Dimension

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



24.0912, 23.7234, 83.4306



28.3751, 27.8703, 98.4917



15.5338, 6.6085, 80.5782



14.9487, 15.9839, 19.2196



13.2831, 13.2133, 45.5933



1.1381, 1.2277, 3.6119

Inverse Universe

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



39.3700, 19.7836, 25.0364



46.4517, 23.3447, 29.3742



59.8046, 67.7626, 9.9293



15.4277, 15.1989, 17.5375



21.5600, 10.8267, 14.0163



1.7410, 0.8694, 1.3533

Previews

White Background



This preview shows how the XYZ color 24.0902, 23.7227, 83.4300 looks on a white background.

Color Contrast Check

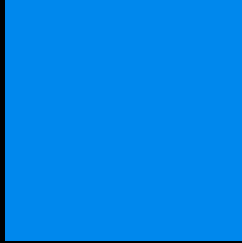
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.0902, 23.7227, 83.4300 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

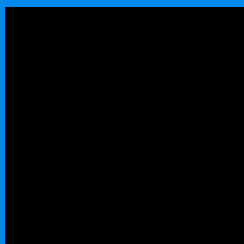
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

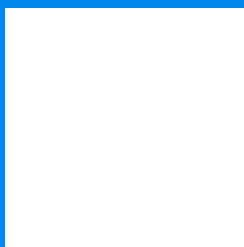
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.0902, 23.7227, 83.4300

Background



This preview shows how black text looks on a background with the XYZ color 24.0902, 23.7227, 83.4300.



This preview shows how white text looks on a background with the XYZ color 24.0902, 23.7227,

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

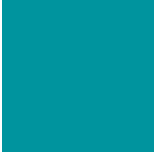
24.0902, 23.7227, 83.4300

Protanopia

26.4309, 23.8095, 78.8039

Deuteranopia

24.5772, 23.7657, 83.4126



Tritanopia

16.7615, 23.6484, 36.0289

Trichromacy



Original Color

24.0902, 23.7227, 83.4300

Protanomaly

24.5901, 23.2265, 80.2779

Deuteranomaly

24.2593, 23.6018, 83.3978

Tritanomaly

18.9429, 23.5344, 50.5579

Monochromacy



Original Color

24.0902, 23.7227, 83.4300

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

14.6951, 16.5189, 32.9858

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.0902, 23.7227, 83.4300 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, 136, 237)` looks like.

```
.text, #text, p{  
    color:rgb(0, 136, 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, 136, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 136, 237) }
```

Border

The CSS property to change the border of an element to XYZ 24.0902, 23.7227, 83.4300 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, 136, 237) }
```


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

```
.border{ border-color:rgb(0, 136, 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, 136, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 136, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 136, 237);  
box-shadow:4px 4px 4px 4px rgb(0, 136,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 24.0902, 23.7227, 83.4300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 136, 237) }
```

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

```
.background{ background-color: rgb(0, 136,  
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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