

Converting Colors

XYZ(23.6486, 21.3233, 87.9567)

Have a look what the booklet for
XYZ(23.6486, 21.3233, 87.9567)
contains.

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Color

**XYZ(23.6385, 21.3928,
87.6774)**

Conversions

Conversions Part 1

Format	Color
Hex	007EF3
RGB	0, 126, 243
RGB Percent	0%, 49%, 95%
CMY	0.9997, 0.5059, 0.0471
CMYK	1.00, 0.48, 0.00, 0.05
HSL	209°, 100%, 48%
HSV	209°, 100%, 95%
XYZ	23.6385, 21.3928, 87.6774
YIQ	101.6640, -112.6530, 9.6750

Conversions

Conversions Part 2

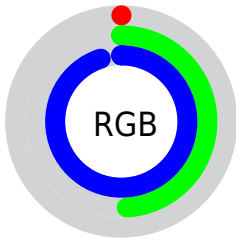
Format	Color
R _{YB}	0, 83, 243
Decimal	32499
CIE _{Lab}	53.38, 15.40, -66.45
CIE _{LCh}	53, 68.214, 283.045
Yxy	21.3928, 0.1781, 0.1612
Android (android.graphics.Color)	4278222579 (0xFF007EF3)
YUV	101.6640, 69.6786, -89.1593
Hunter-Lab	46.2524, 10.2856, -80.0153

Details

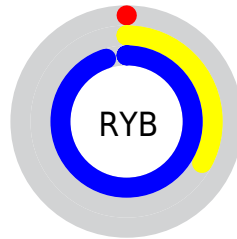
The XYZ color **23.6385, 21.3928, 87.6774** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark saturated azure. A complement of this color would be **43.3316, 31.7926, 3.8546**, and the grayscale version is **12.3927, 13.0380, 14.1984**.

A 20% lighter version of the original color is **40.2771, 42.3120, 100.6519**, and **11.5873, 8.9939, 47.5797** is the 20% darker color. If you saturate the color by 10%, you get **23.6347, 21.3850, 87.6766**, and if you desaturate by 10%, it is **25.6092, 24.7618, 88.2244**.

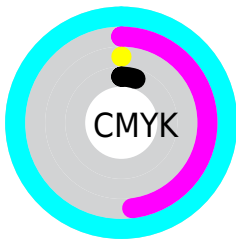
Distribution



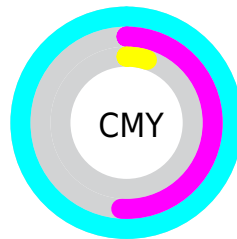
- Red (0%)
- Green (49%)
- Blue (95%)



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



- Cyan (100%)
- Magenta (48%)
- Yellow (0%)
- Black (5%)



- Cyan (100%)
- Magenta (51%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.6385, 21.3928, 87.6774 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 23.6385, 21.3928, 87.6774 by changing the saturation by 10% instead.

■ 23.6385, 21.3928,
87.6774

■ 23.6385, 21.3928,
87.6774

263.4623,
259.3587, 540.8201

■ 15.1890, 13.4114,
65.4931

■ 48.8986, 45.7404,
146.0151

■ 9.0393, 7.7125,
47.4072

■ 66.4399, 62.8753,
183.0057

■ 4.8241, 3.9115,
33.0010

■ 87.7425, 83.8303,
225.7687

■ 2.1781, 1.6242,
21.8561

■ 113.1717,
108.9896, 274.7227

■ 0.7312, 0.3738,
13.5539

■ 143.0930,
138.7377, 330.2864

■ 0.0000, 0.0000,
7.6759

177.8716,

■ 0.0000, 0.0000,

173.4590, 392.8781

3.8035

217.8729,
213.5379, 462.9165

■ 0.0000, 0.0000,
1.5182

■ 0.0000, 0.0000,
0.2314

■ 23.6385, 21.3928,
87.6774

■ 23.6385, 21.3928,
87.6774

■ 23.6347, 21.3850,
87.6766

■ 25.6092, 24.7618,
88.2244

■ 28.2402, 28.7396,
88.8535

■ 31.6868, 33.4144,
89.5741

■ 36.0436, 38.8426,
90.3923

■ 41.3903, 45.0728,
91.3130

■ 47.7973, 52.1486,
92.3411

■ 55.3280, 60.1095,
93.4808

■ 64.0405, 68.9922,
94.7361

■ 73.9886, 78.8308,
96.1108

Harmonies

Analogous

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



16.5394, 21.3928, 85.9857



23.6385, 21.3928, 87.6774



31.3866, 21.3928, 66.2405

Triad

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



23.6385, 21.3928, 87.6774



32.2918, 21.3928, 5.3065



9.7163, 21.3928, 13.4975

Complementary

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



23.6385, 21.3928, 87.6774



43.3316, 31.7926, 3.8546

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.



12.2375, 21.3928, 4.6212



23.6385, 21.3928, 87.6774



24.6669, 21.3928, 2.1871

Square

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



23.6385, 21.3928, 87.6774



37.1243, 21.3928, 15.4063



17.3514, 21.3928, 2.0449



9.5669, 21.3928, 33.4957

Rectangle

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



23.6385, 21.3928, 87.6774



35.4291, 21.3928, 46.4288



17.3514, 21.3928, 2.0449



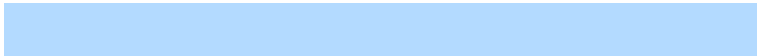
10.2812, 21.3928, 9.4964

Sweetspot

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



23.6395, 21.3934, 87.6780



61.6372, 66.9685, 104.2853



35.0568, 65.3041, 26.5087



12.4002, 13.5050, 22.2031



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.



23.6395, 21.3934, 87.6780



26.3270, 23.7740, 97.8090



16.2672, 6.6487, 85.2206



16.2918, 17.3479, 21.0324



13.1074, 12.0086, 48.1651



1.2549, 1.2613, 4.2675

Inverse Universe

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



40.7290, 20.5626, 21.5612



45.4179, 22.9311, 23.9303



66.6433, 78.4160, 11.6252



16.8579, 16.6260, 18.9981



22.4205, 11.3116, 12.1887



2.0225, 1.0150, 1.3448

Previews

White Background



This preview shows how the XYZ color 23.6385, 21.3928, 87.6774 looks on a white background.

Color Contrast Check

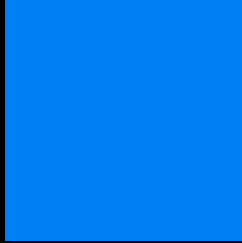
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.6385, 21.3928, 87.6774 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

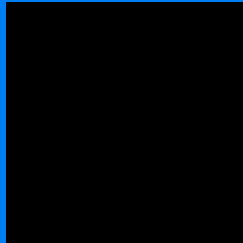
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

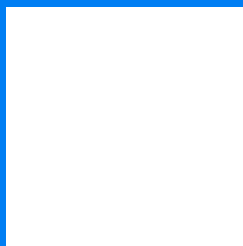
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.6385, 21.3928, 87.6774

Background



This preview shows how black text looks on a background with the XYZ color 23.6385, 21.3928, 87.6774.



This preview shows how white text looks on a background with the XYZ color 23.6385, 21.3928,

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

23.6385, 21.3928, 87.6774

Protanopia

24.8610, 21.5139, 85.2804

Deuteranopia

21.5777, 21.1915, 74.9046



Tritanopia

15.0299, 21.2518, 32.1640

Trichromacy



Original Color

23.6385, 21.3928, 87.6774

Protanomaly

23.9599, 21.2173, 86.0516

Deuteranomaly

22.2847, 21.2645, 79.2739

Tritanomaly

17.4559, 21.0690, 48.4941

Monochromacy



Original Color

23.6385, 21.3928, 87.6774

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

13.6142, 14.7926, 32.2747

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.6385, 21.3928, 87.6774 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, 126, 243)` looks like.

```
.text, #text, p{  
    color:rgb(0, 126, 243)  
}
```

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, 126, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 126, 243) }
```

Border

The CSS property to change the border of an element to XYZ 23.6385, 21.3928, 87.6774 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, 126, 243) }
```


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

```
.border{ border-color:rgb(0, 126, 243) }
```

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

Here you see how a box with a 4 pixel rgb(0, 126, 243) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 126, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 126, 243);  
box-shadow:4px 4px 4px 4px rgb(0, 126,  
243) }
```

Background

The CSS property to change the background color of an element to XYZ 23.6385, 21.3928, 87.6774 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 126, 243) }
```

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

```
.background{ background-color: rgb(0, 126,  
243) }
```

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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