

Converting Colors

XYZ(16.2176, 17.5681, 84.9727)

Have a look what the booklet for
XYZ(16.2176, 17.5681, 84.9727)
contains.

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Color

**XYZ(23.1890, 21.2130,
85.3104)**

Conversions

Conversions Part 1

Format	Color
Hex	007EF0
RGB	0, 126, 240
RGB Percent	0%, 49%, 94%
CMY	0.9998, 0.5059, 0.0588
CMYK	1.00, 0.47, 0.00, 0.06
HSL	209°, 100%, 47%
HSV	209°, 100%, 94%
XYZ	23.1890, 21.2130, 85.3104
YIQ	101.3220, -111.6900, 8.7420

Conversions

Conversions Part 2

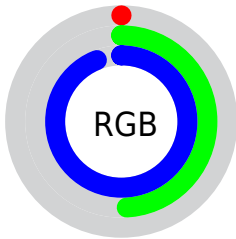
Format	Color
R _Y B	0, 83, 240
Decimal	32496
CIE Lab	53.18, 14.23, -65.10
CIE LCh	53, 66.637, 282.331
Yxy	21.2130, 0.1788, 0.1635
Android (android.graphics.Color)	4278222576 (0xFF007EF0)
YUV	101.3220, 68.3683, -88.8594
Hunter-Lab	46.0576, 9.2702, -77.5799

Details

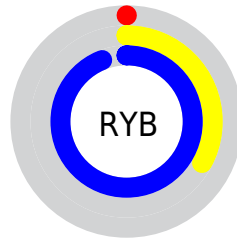
The XYZ color **23.1890, 21.2130, 85.3104** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark saturated azure. A complement of this color would be **41.9601, 30.5742, 3.6916**, and the grayscale version is **12.3074, 12.9483, 14.1007**.

A 20% lighter version of the original color is **40.1547, 42.2489, 100.6462**, and **11.2716, 8.8677, 45.9173** is the 20% darker color. If you saturate the color by 10%, you get **23.1854, 21.2056, 85.3097**, and if you desaturate by 10%, it is **25.1096, 24.4925, 85.8427**.

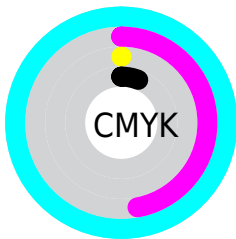
Distribution



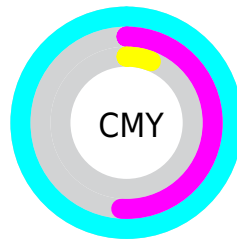
- Red (0%)
- Green (49%)
- Blue (94%)



- Red (0%)
- Yellow (33%)
- Blue (94%)



- Cyan (100%)
- Magenta (47%)
- Yellow (0%)
- Black (6%)



- Cyan (100%)
- Magenta (51%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.1890, 21.2130, 85.3104 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 23.1890, 21.2130, 85.3104 by changing the saturation by 10% instead.

■ 23.1890, 21.2130,
85.3104

■ 23.1890, 21.2130,
85.3104

261.2115,
258.4083, 532.8260

■ 14.8546, 13.2798,
63.5463

■ 48.1679, 45.4418,
142.6848

■ 8.8030, 7.6215,
45.8394

■ 65.5430, 62.5061,
179.1321

■ 4.6690, 3.8537,
31.7714

■ 86.6625, 83.3829,
221.3109

■ 2.0871, 1.5921,
20.9236

■ 111.8915,
108.4566, 269.6397

■ 0.6822, 0.3522,
12.8774

■ 141.5956,
138.1116, 324.5371

■ 0.0000, 0.0000,
7.2145

176.1401,

■ 0.0000, 0.0000,

172.7323, 386.4216

3.5161

215.8903,
212.7031, 455.7117

■ 0.0000, 0.0000,
1.3638

■ 0.0000, 0.0000,
0.1133

■ 23.1890, 21.2130,
85.3104

■ 23.1890, 21.2130,
85.3104

■ 23.1854, 21.2056,
85.3097

■ 25.1096, 24.4925,
85.8427

■ 27.6670, 28.3549,
86.4534

■ 31.0126, 32.8857,
87.1516

■ 35.2376, 38.1392,
87.9430

■ 40.4193, 44.1622,
88.8324

■ 46.6258, 50.9963,
89.8244

■ 53.9184, 58.6796,
90.9231

■ 62.3531, 67.2474,
92.1323

■ 71.9820, 76.7323,
93.4556

Harmonies

Analogous

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



16.3318, 21.2130, 83.1005



23.1890, 21.2130, 85.3104



30.7033, 21.2130, 65.1612

Triad

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



23.1890, 21.2130, 85.3104



31.8964, 21.2130, 5.6062



9.8308, 21.2130, 13.2277

Complementary

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



23.1890, 21.2130, 85.3104



41.9601, 30.5742, 3.6916

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.



12.3610, 21.2130, 4.6717



23.1890, 21.2130, 85.3104



24.5494, 21.2130, 2.3628

Square

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



23.1890, 21.2130, 85.3104



36.4598, 21.2130, 15.7772



17.4112, 21.2130, 2.1646



9.6304, 21.2130, 32.3903

Rectangle

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



23.1890, 21.2130, 85.3104



34.6590, 21.2130, 46.1396



17.4112, 21.2130, 2.1646



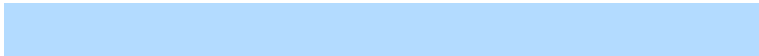
10.4041, 21.2130, 9.3816

Sweetspot

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



23.1900, 21.2136, 85.3110



61.7662, 67.2265, 104.3283



34.0876, 63.4916, 25.7975



12.4308, 13.5660, 22.2133



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.



23.1900, 21.2136, 85.3110



26.5535, 24.2271, 97.8845



15.8165, 6.4667, 82.8532



15.5839, 16.6019, 20.1047



12.8263, 11.8769, 46.7443



1.1666, 1.1872, 3.9219

Inverse Universe

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



39.7020, 20.0331, 21.5131



45.5322, 22.9769, 24.5324



64.7931, 76.2403, 11.3027



16.1194, 15.8975, 18.1850



21.7998, 10.9923, 12.1280



1.8638, 0.9346, 1.2737

Previews

White Background



This preview shows how the XYZ color 23.1890, 21.2130, 85.3104 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 23.1890, 21.2130, 85.3104 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

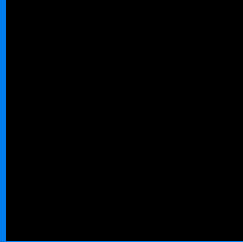
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

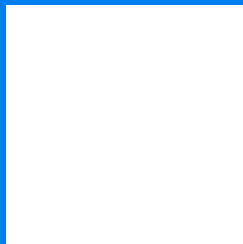
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.1890, 21.2130, 85.3104

Background



This preview shows how black text looks on a background with the XYZ color 23.1890, 21.2130, 85.3104.



This preview shows how white text looks on a background with the XYZ color 23.1890, 21.2130,

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

23.1890, 21.2130, 85.3104

Protanopia

24.3466, 21.1334, 82.1528

Deuteranopia

21.5777, 21.1915, 74.9046



Tritanopia

14.8831, 20.9582, 32.1151

Trichromacy



Original Color

23.1890, 21.2130, 85.3104

Protanomaly

23.3239, 20.7726, 82.9010

Deuteranomaly

22.1430, 21.2079, 78.5278

Tritanomaly

17.2112, 20.7468, 47.8972

Monochromacy



Original Color

23.1890, 21.2130, 85.3104

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

13.3578, 14.5088, 31.8022

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1890, 21.2130, 85.3104 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, 240)` looks like.

```
.text, #text, p{  
    color:rgb(0, 126, 240)  
}
```

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, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 126, 240) }
```

Border

The CSS property to change the border of an element to XYZ 23.1890, 21.2130, 85.3104 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, 240) }
```


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

```
.border{ border-color:rgb(0, 126, 240) }
```

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, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 126, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 126, 240);  
box-shadow:4px 4px 4px 4px rgb(0, 126,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 23.1890, 21.2130, 85.3104 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, 240) }
```

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

```
.background{ background-color: rgb(0, 126,  
240) }
```

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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