

Converting Colors

XYZ(4.6926, 13.3732, 81.2006)

Have a look what the booklet for
XYZ(4.6926, 13.3732, 81.2006)
contains.

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Color

**XYZ(23.5205, 23.0484,
81.8064)**

Conversions

Conversions Part 1

Format	Color
Hex	0086EB
RGB	0, 134, 235
RGB Percent	0%, 53%, 92%
CMY	0.9998, 0.4745, 0.0784
CMYK	1.00, 0.43, 0.00, 0.08
HSL	206°, 100%, 46%
HSV	206°, 100%, 92%
XYZ	23.5205, 23.0484, 81.8064
YIQ	105.4480, -112.2850, 3.0030

Conversions

Conversions Part 2

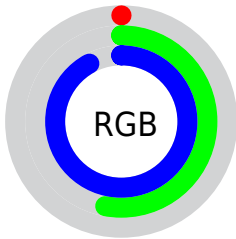
Format	Color
R _{YB}	0, 85, 235
Decimal	34539
CIE Lab	55.12, 7.35, -59.19
CIE LCh	55, 59.649, 277.078
Yxy	23.0484, 0.1832, 0.1795
Android (android.graphics.Color)	4278224619 (0xFF0086EB)
YUV	105.4480, 63.8691, -92.4779
Hunter-Lab	48.0087, 3.4356, -67.4234

Details

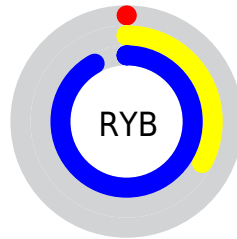
The XYZ color **23.5205, 23.0484, 81.8064** is a dark color, and the websafe version is hex **3399FF**. The color can be described as dark washed azure. A complement of this color would be **38.9211, 26.9817, 3.1584**, and the grayscale version is **13.4079, 14.1061, 15.3616**.

A 20% lighter version of the original color is **41.8837, 45.8864, 101.2572**, and **11.2844, 9.7114, 43.3992** is the 20% darker color. If you saturate the color by 10%, you get **23.5171, 23.0414, 81.8058**, and if you desaturate by 10%, it is **25.3508, 26.1650, 82.3120**.

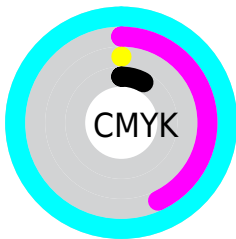
Distribution



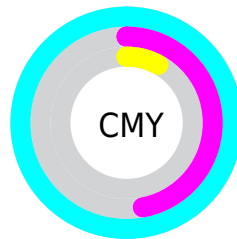
- Red (0%)
- Green (53%)
- Blue (92%)



- Red (0%)
- Yellow (33%)
- Blue (92%)



- Cyan (100%)
- Magenta (43%)
- Yellow (0%)
- Black (8%)



- Cyan (100%)
- Magenta (47%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.5205, 23.0484, 81.8064 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 23.5205, 23.0484, 81.8064 by changing the saturation by 10% instead.

■ 23.5205, 23.0484,
81.8064

■ 23.5205, 23.0484,
81.8064

262.8729,
267.9735, 520.8663

■ 15.1011, 14.6292,
60.6711

■ 48.7070, 48.4728,
137.7367

■ 8.9772, 8.5596,
43.5309

■ 66.2048, 66.2468,
173.3688

■ 4.7833, 4.4551,
29.9674

■ 87.4594, 87.9079,
214.6702

■ 2.1541, 1.9312,
19.5620

■ 112.8363,
113.8405, 262.0595

■ 0.7184, 0.5671,
11.8962

■ 142.7007,
144.4290, 315.9552

■ 0.0000, 0.0000,
6.5513

177.4181,

■ 0.0000, 0.0000,

180.0577, 376.7759

3.1090

217.3537,
221.1111, 444.9401

■ 0.0000, 0.0000,
1.1505

■ 0.0000, 0.0000,
0.0000

■ 23.5205, 23.0484,
81.8064

■ 23.5205, 23.0484,
81.8064

■ 23.5171, 23.0414,
81.8058

■ 25.3508, 26.1650,
82.3120

■ 27.7603, 29.7833,
82.8835

■ 30.8928, 33.9829,
83.5290

■ 34.8336, 38.8125,
84.2535

■ 39.6548, 44.3141,
85.0613

■ 45.4198, 50.5250,
85.9562

■ 52.1858, 57.4791,
86.9419

■ 60.0049, 65.2076,
88.0216

■ 68.9256, 73.7398,
89.1983

Harmonies

Analogous

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



17.2942, 23.0484, 76.1954



23.5205, 23.0484, 81.8064



30.5561, 23.0484, 67.1201

Triad

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



23.5205, 23.0484, 81.8064



33.7746, 23.0484, 8.8585



12.1137, 23.0484, 13.3637

Complementary

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



23.5205, 23.0484, 81.8064



38.9211, 26.9817, 3.1584

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.



15.0663, 23.0484, 5.7500



23.5205, 23.0484, 81.8064



27.2743, 23.0484, 4.2205

Square

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



23.5205, 23.0484, 81.8064



37.2050, 23.0484, 20.8484



20.3687, 23.0484, 3.4734



11.5094, 23.0484, 29.8841

Rectangle

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



23.5205, 23.0484, 81.8064



34.4894, 23.0484, 50.7263



20.3687, 23.0484, 3.4734



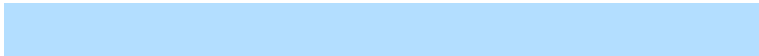
12.8306, 23.0484, 9.9899

Sweetspot

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



23.5215, 23.0491, 81.8070



62.6763, 69.0468, 104.6317



31.9117, 60.2984, 21.5004



12.6465, 13.9975, 22.2852



0.0000, 0.0000, 0.0000



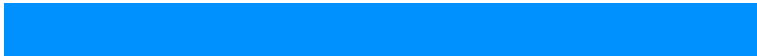
20.3446, 21.4041, 23.3091

Same Dimension

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



23.5215, 23.0491, 81.8070



28.2330, 27.5860, 98.4443



15.2401, 6.4863, 79.0466



14.9440, 15.9745, 19.2180



13.2175, 13.0820, 45.5714



1.1331, 1.2177, 3.6102

Inverse Universe

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



38.5650, 19.3849, 24.2637



46.3799, 23.3160, 28.9964



58.6697, 66.4787, 9.7412



15.4253, 15.1980, 17.5250



21.5269, 10.8134, 13.8418



1.7384, 0.8683, 1.3400

Previews

White Background



This preview shows how the XYZ color 23.5205, 23.0484, 81.8064 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 23.5205, 23.0484, 81.8064 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

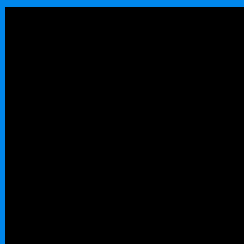
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

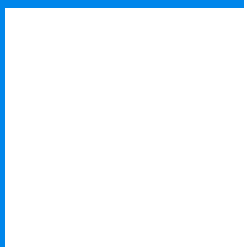
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.5205, 23.0484, 81.8064

Background



This preview shows how black text looks on a background with the XYZ color 23.5205, 23.0484, 81.8064.



This preview shows how white text looks on a background with the XYZ color 23.5205, 23.0484,

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

23.5205, 23.0484, 81.8064

Protanopia

25.6998, 23.0739, 77.2279

Deuteranopia

23.8089, 22.9928, 81.7805



Tritanopia

16.2796, 22.9581, 35.0258

Trichromacy



Original Color

23.5205, 23.0484, 81.8064

Protanomaly

23.9820, 22.5470, 78.6893

Deuteranomaly

23.6141, 22.8924, 81.7713

Tritanomaly

18.4300, 22.8488, 49.3378

Monochromacy



Original Color

23.5205, 23.0484, 81.8064

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

14.2276, 15.9511, 32.0348

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.5205, 23.0484, 81.8064 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, 134, 235)` looks like.

```
.text, #text, p{  
    color:rgb(0, 134, 235)  
}
```

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, 134, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 134, 235) }
```

Border

The CSS property to change the border of an element to XYZ 23.5205, 23.0484, 81.8064 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, 134, 235) }
```


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

```
.border{ border-color:rgb(0, 134, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 134, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 134, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 134, 235);  
box-shadow:4px 4px 4px 4px rgb(0, 134,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 23.5205, 23.0484, 81.8064 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 134, 235) }
```

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

```
.background{ background-color: rgb(0, 134,  
235) }
```

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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