

Converting Colors

XYZ(17.4457, 20.0317, 81.0191)

Have a look what the booklet for
XYZ(17.4457, 20.0317, 81.0191)
contains.

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Color

**XYZ(23.5153, 23.2685,
81.0938)**

Conversions

Conversions Part 1

Format	Color
Hex	0087EA
RGB	0, 135, 234
RGB Percent	0%, 53%, 92%
CMY	0.9997, 0.4706, 0.0823
CMYK	1.00, 0.42, 0.00, 0.08
HSL	205°, 100%, 46%
HSV	205°, 100%, 92%
XYZ	23.5153, 23.2685, 81.0938
YIQ	105.9210, -112.2390, 2.1690

Conversions

Conversions Part 2

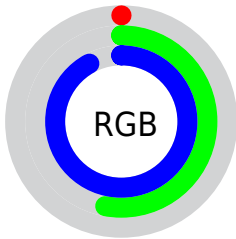
Format	Color
RYB	0, 86, 234
Decimal	34794
CIELab	55.35, 6.35, -58.28
CIElCh	55, 58.621, 276.222
Yxy	23.2685, 0.1839, 0.1820
Android (android.graphics.Color)	4278224874 (0xFF0087EA)
YUV	105.9210, 63.1429, -92.8927
Hunter-Lab	48.2374, 2.6016, -65.9085

Details

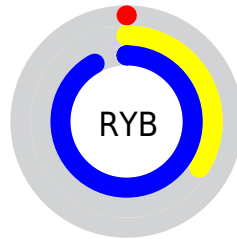
The XYZ color **23.5153, 23.2685, 81.0938** is a dark color, and the websafe version is hex **3399FF**. The color can be described as dark washed azure. A complement of this color would be **38.4003, 26.4287, 3.0792**, and the grayscale version is **13.5384, 14.2434, 15.5111**.

A 20% lighter version of the original color is **42.0966, 46.3122, 101.3282**, and **11.3637, 9.8699, 43.4256** is the 20% darker color. If you saturate the color by 10%, you get **23.5117, 23.2611, 81.0931**, and if you desaturate by 10%, it is **25.3262, 26.3496, 81.5936**.

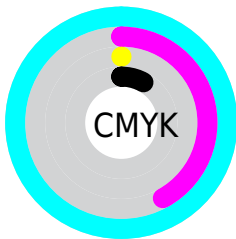
Distribution



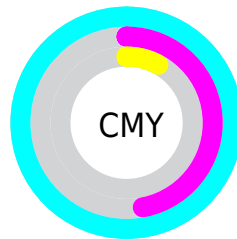
- Red (0%)
- Green (53%)
- Blue (92%)



- Red (0%)
- Yellow (34%)
- Blue (92%)



- Cyan (100%)
- Magenta (42%)
- Yellow (0%)
- Black (8%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.5153, 23.2685, 81.0938 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 23.5153, 23.2685, 81.0938 by changing the saturation by 10% instead.

■ 23.5153, 23.2685,
81.0938

■ 23.5153, 23.2685,
81.0938

262.8469,
269.1011, 518.4151

■ 15.0972, 14.7919,
60.0874

■ 48.6985, 48.8338,
136.7277

■ 8.9744, 8.6735,
43.0633

■ 66.1944, 66.6913,
172.1923

■ 4.7815, 4.5288,
29.6030

■ 87.4470, 88.4446,
213.3134

■ 2.1531, 1.9736,
19.2880

■ 112.8215,
114.4780, 260.5095

■ 0.7178, 0.5920,
11.6996

■ 142.6834,
145.1760, 314.1992

■ 0.0000, 0.0000,
6.4195

177.3981,

■ 0.0000, 0.0000,

180.9229, 374.8010

3.0289

217.3308,
222.1031, 442.7334

■ 0.0000, 0.0000,
1.1094

■ 0.0000, 0.0000,
0.0000

■ 23.5153, 23.2685,
81.0938

■ 23.5153, 23.2685,
81.0938

■ 23.5117, 23.2611,
81.0931

■ 25.3262, 26.3496,
81.5936

■ 27.7066, 29.9200,
82.1573

■ 30.7991, 34.0580,
82.7930

■ 34.6878, 38.8117,
83.5056

■ 39.4439, 44.2222,
84.2993

■ 45.1300, 50.3261,
85.1778

■ 51.8025, 57.1568,
86.1446

■ 59.5130, 64.7449,
87.2028

■ 68.3091, 73.1189,
88.3556

Harmonies

Analogous

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



17.3987, 23.2685, 75.0371



23.5153, 23.2685, 81.0938



30.4628, 23.2685, 67.2284

Triad

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



23.5153, 23.2685, 81.0938



33.9682, 23.2685, 9.3935



12.4439, 23.2685, 13.3580

Complementary

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



23.5153, 23.2685, 81.0938



38.4003, 26.4287, 3.0792

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.



15.4528, 23.2685, 5.9093



23.5153, 23.2685, 81.0938



27.6171, 23.2685, 4.5431

Square

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



23.5153, 23.2685, 81.0938



37.2215, 23.2685, 21.6089



20.7734, 23.2685, 3.6927



11.7754, 23.2685, 29.4675

Rectangle

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



23.5153, 23.2685, 81.0938



34.3818, 23.2685, 51.2794



20.7734, 23.2685, 3.6927



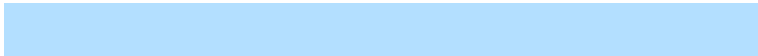
13.1814, 23.2685, 10.0621

Sweetspot

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



23.5163, 23.2692, 81.0944



62.8128, 69.3198, 104.6772



31.6067, 59.7196, 21.3025



12.6790, 14.0624, 22.2960



0.0000, 0.0000, 0.0000



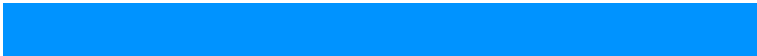
20.3446, 21.4041, 23.3091

Same Dimension

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



23.5163, 23.2692, 81.0944



28.4971, 28.1142, 98.5324



15.0947, 6.4259, 78.2872



14.9527, 15.9919, 19.2209



13.3394, 13.3259, 45.6121



1.1424, 1.2363, 3.6133

Inverse Universe

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



38.3059, 19.2433, 24.6174



46.5132, 23.3693, 29.6983



58.1071, 65.8424, 9.6482



15.4297, 15.1997, 17.5481



21.5884, 10.8381, 14.1659



1.7431, 0.8702, 1.3647

Previews

White Background



This preview shows how the XYZ color 23.5153, 23.2685, 81.0938 looks on a white background.

Color Contrast Check

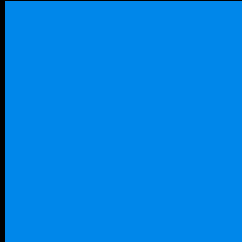
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.5153, 23.2685, 81.0938 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

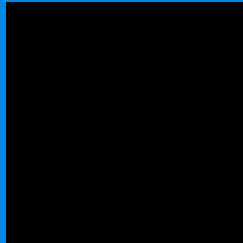
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.5153, 23.2685, 81.0938

Background



This preview shows how black text looks on a background with the XYZ color 23.5153, 23.2685, 81.0938.



This preview shows how white text looks on a background with the XYZ color 23.5153, 23.2685,

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

23.5153, 23.2685, 81.0938

Protanopia

25.8784, 23.3767, 76.5470

Deuteranopia

24.1039, 23.3658, 81.0815



Tritanopia

16.5195, 23.3018, 35.5253

Trichromacy



Original Color

23.5153, 23.2685, 81.0938

Protanomaly

24.0301, 22.7865, 77.9946

Deuteranomaly

23.7297, 23.1729, 81.0640

Tritanomaly

18.5794, 23.1477, 49.3877

Monochromacy



Original Color

23.5153, 23.2685, 81.0938

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

14.4258, 16.2158, 32.5066

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.5153, 23.2685, 81.0938 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, 135, 234)` looks like.

```
.text, #text, p{  
    color:rgb(0, 135, 234)  
}
```

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, 135, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 135, 234) }
```

Border

The CSS property to change the border of an element to XYZ 23.5153, 23.2685, 81.0938 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, 135, 234) }
```


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

```
.border{ border-color:rgb(0, 135, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 135, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 135, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 135, 234);  
box-shadow:4px 4px 4px 4px rgb(0, 135,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 23.5153, 23.2685, 81.0938 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 135, 234) }
```

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

```
.background{ background-color: rgb(0, 135,  
234) }
```

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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