

Converting Colors

XYZ(24.0189, 23.1101, 81.0373)

Have a look what the booklet for
XYZ(24.0189, 23.1101, 81.0373)
contains.

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Color

**XYZ(24.0381, 23.1276,
81.0390)**

Conversions

Conversions Part 1

Format	Color
Hex	2685EA
RGB	38, 133, 234
RGB Percent	15%, 52%, 92%
CMY	0.8509, 0.4784, 0.0824
CMYK	0.84, 0.43, 0.00, 0.08
HSL	211°, 82%, 53%
HSV	211°, 84%, 92%
XYZ	24.0381, 23.1276, 81.0390
YIQ	116.1090, -89.0410, 11.2710

Conversions

Conversions Part 2

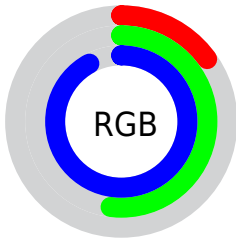
Format	Color
R _Y B	38, 102, 234
Decimal	2524650
CIE Lab	55.20, 9.28, -58.48
CIE LCh	55, 59.216, 279.021
Yxy	23.1276, 0.1875, 0.1804
Android (android.graphics.Color)	4280714730 (0xFF2685EA)
YUV	116.1090, 58.1203, -68.5016
Hunter-Lab	48.0912, 5.0627, -66.2465

Details

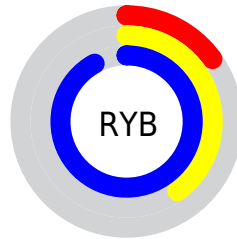
The XYZ color **24.0381, 23.1276, 81.0390** is a dark color, and the websafe version is hex **3399FF**. The color can be described as middle washed azure. A complement of this color would be **43.5177, 36.1038, 6.5106**, and the grayscale version is **16.4830, 17.3414, 18.8848**.

A 20% lighter version of the original color is **42.9450, 46.1197, 101.2463**, and **11.1061, 9.5150, 42.8462** is the 20% darker color. If you saturate the color by 10%, you get **21.8725, 19.6994, 80.4920**, and if you desaturate by 10%, it is **26.9364, 27.2153, 81.6758**.

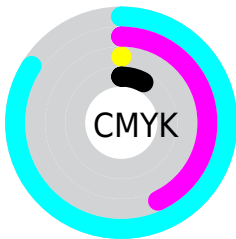
Distribution



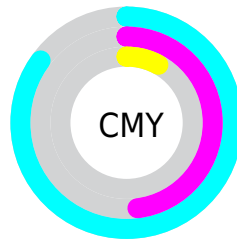
- Red (15%)
- Green (52%)
- Blue (92%)



- Red (15%)
- Yellow (40%)
- Blue (92%)



- Cyan (84%)
- Magenta (43%)
- Yellow (0%)
- Black (8%)



- Cyan (85%)
- Magenta (48%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.0381, 23.1276, 81.0390 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 24.0381, 23.1276, 81.0390 by changing the saturation by 10% instead.

■ 24.0381, 23.1276,
81.0390

■ 24.0381, 23.1276,
81.0390

265.4499,
268.3797, 518.2263

■ 15.4868, 14.6878,
60.0425

■ 49.5466, 48.6028,
136.6501

■ 9.2503, 8.6005,
43.0274

■ 67.2345, 66.4069,
172.1018

■ 4.9632, 4.4816,
29.5750

■ 88.6986, 88.1012,
213.2090

■ 2.2602, 1.9464,
19.2670

■ 114.3043,
114.0701, 260.3902

■ 0.7742, 0.5761,
11.6846

■ 144.4169,
144.6980, 314.0640

■ 0.0000, 0.0000,
6.4094

179.4018,

■ 0.0000, 0.0000,

180.3693, 374.6489

3.0228

219.6244,
221.4684, 442.5635

■ 0.0000, 0.0000,
1.1063

■ 0.0000, 0.0000,
0.0000

■ 24.0381, 23.1276,
81.0390

■ 24.0381, 23.1276,
81.0390

■ 21.8725, 19.6994,
80.4920

■ 26.9364, 27.2153,
81.6758

■ 20.8020, 17.8417,
80.1898

■ 30.6586, 32.0179,
82.4066

■ 35.2839, 37.5851,
83.2374

■ 40.8803, 43.9604,
84.1730

■ 47.5088, 51.1829,
85.2177

■ 55.2251, 59.2892,
86.3757

■ 64.0805, 68.3129,
87.6507

■ 74.1229, 78.2861,
89.0464

■ 85.3974, 89.2388,
90.5663

Harmonies

Analogous

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



17.7341, 23.1276, 76.8312



24.0381, 23.1276, 81.0390



31.0056, 23.1276, 65.4278

Triad

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



24.0381, 23.1276, 81.0390



33.4233, 23.1276, 8.5014



12.1135, 23.1276, 14.2589

Complementary

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



24.0381, 23.1276, 81.0390



43.5177, 36.1038, 6.5106

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.



14.9048, 23.1276, 6.1553



24.0381, 23.1276, 81.0390



26.8595, 23.1276, 4.1809

Square

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



24.0381, 23.1276, 81.0390



37.0953, 23.1276, 19.8896



20.0468, 23.1276, 3.6150



11.6581, 23.1276, 31.3387

Rectangle

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



24.0381, 23.1276, 81.0390



34.7950, 23.1276, 48.9810



20.0468, 23.1276, 3.6150



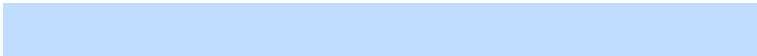
12.7783, 23.1276, 10.6969

Sweetspot

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



24.0391, 23.1283, 81.0396



65.7588, 70.6489, 104.7785



34.6678, 61.0364, 33.2505



13.3475, 14.3620, 22.3186



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.



24.0391, 23.1283, 81.0396



25.2056, 21.5312, 97.4352



16.3452, 7.7406, 78.4750



14.8337, 15.7539, 19.1812



11.8144, 10.2758, 45.1037



1.0237, 0.9988, 3.5737

Inverse Universe

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



38.8594, 20.5736, 24.1136



44.8518, 22.7047, 20.9495



63.7051, 76.4786, 13.2397



15.3696, 15.1757, 17.2317



20.8187, 10.5302, 10.1124



1.6832, 0.8462, 1.0491

Previews

White Background



This preview shows how the XYZ color 24.0381, 23.1276, 81.0390 looks on a white background.

Color Contrast Check

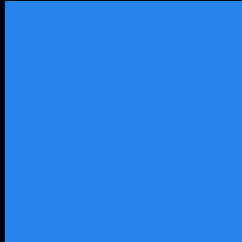
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.0381, 23.1276, 81.0390 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

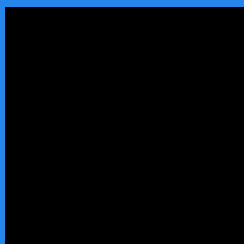
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

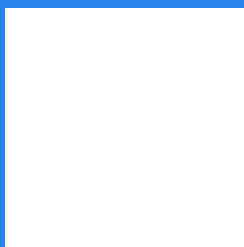
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.0381, 23.1276, 81.0390

Background



This preview shows how black text looks on a background with the XYZ color 24.0381, 23.1276, 81.0390.



This preview shows how white text looks on a background with the XYZ color 24.0381, 23.1276,

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

24.0381, 23.1276, 81.0390

Protanopia

25.6998, 23.0739, 77.2279

Deuteranopia

23.8660, 23.0389, 81.0310



Tritanopia

16.2796, 22.9581, 35.0258

Trichromacy



Original Color

24.0381, 23.1276, 81.0390

Protanomaly

24.8607, 23.0000, 78.7304

Deuteranomaly

23.9319, 23.0729, 81.0341

Tritanomaly

18.3577, 22.6038, 48.7428

Monochromacy



Original Color

24.0381, 23.1276, 81.0390

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

17.2420, 18.4970, 35.4624

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.0381, 23.1276, 81.0390 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(38, 133, 234)` looks like.

```
.text, #text, p{  
    color:rgb(38, 133, 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(38, 133, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 133, 234) }
```

Border

The CSS property to change the border of an element to XYZ 24.0381, 23.1276, 81.0390 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(38, 133, 234) }
```


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

```
.border{ border-color:rgb(38, 133, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 133, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 133, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 133, 234);  
box-shadow:4px 4px 4px 4px rgb(38, 133,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 24.0381, 23.1276, 81.0390 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 133, 234) }
```

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

```
.background{ background-color: rgb(38, 133,  
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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