

Converting Colors

XYZ(24.4013, 23.8549, 82.0919)

Have a look what the booklet for
XYZ(24.4013, 23.8549, 82.0919)
contains.

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Color

**XYZ(24.3952, 23.9136,
81.9273)**

Conversions

Conversions Part 1

Format	Color
Hex	2088EB
RGB	32, 136, 235
RGB Percent	13%, 53%, 92%
CMY	0.8744, 0.4667, 0.0784
CMYK	0.86, 0.42, 0.00, 0.08
HSL	209°, 84%, 52%
HSV	209°, 86%, 92%
XYZ	24.3952, 23.9136, 81.9273
YIQ	116.1900, -93.7630, 8.7410

Conversions

Conversions Part 2

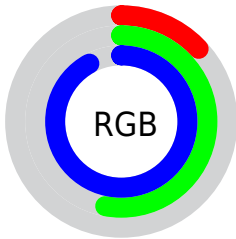
Format	Color
RYP	32, 101, 235
Decimal	2132203
CIELab	56.00, 7.40, -57.77
CIElCh	56, 58.241, 277.304
Yxy	23.9136, 0.1873, 0.1836
Android (android.graphics.Color)	4280322283 (0xFF2088EB)
YUV	116.1900, 58.5733, -73.8346
Hunter-Lab	48.9015, 3.4695, -65.1006

Details

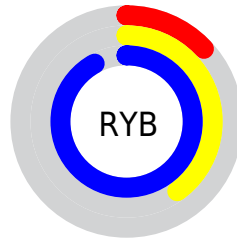
The XYZ color **24.3952, 23.9136, 81.9273** is a dark color, and the websafe version is hex **3399FF**. The color can be described as middle washed azure. A complement of this color would be **42.6416, 34.0055, 5.6844**, and the grayscale version is **16.5078, 17.3675, 18.9132**.

A 20% lighter version of the original color is **43.1870, 47.1926, 101.4406**, and **11.4441, 10.0307, 43.4524** is the 20% darker color. If you saturate the color by 10%, you get **22.3776, 20.6041, 81.3954**, and if you desaturate by 10%, it is **27.1058, 27.8370, 82.5423**.

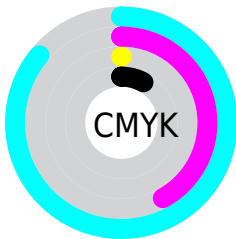
Distribution



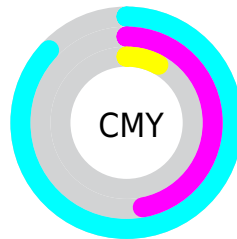
- Red (13%)
- Green (53%)
- Blue (92%)



- Red (13%)
- Yellow (40%)
- Blue (92%)



- Cyan (86%)
- Magenta (42%)
- Yellow (0%)
- Black (8%)



- Cyan (87%)
- Magenta (47%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.3952, 23.9136, 81.9273 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 24.3952, 23.9136, 81.9273 by changing the saturation by 10% instead.

■ 24.3952, 23.9136,
81.9273

■ 24.3952, 23.9136,
81.9273

267.2160,
272.3834, 521.2815

■ 15.7534, 15.2695,
60.7701

■ 50.1243, 49.8892,
137.9078

■ 9.4395, 9.0088,
43.6103

■ 67.9424, 67.9895,
173.5683

■ 5.0884, 4.7469,
30.0294

■ 89.5498, 90.0106,
214.9002

■ 2.3345, 2.0995,
19.6086

■ 115.3120,
116.3371, 262.3222

■ 0.8122, 0.6644,
11.9296

■ 145.5944,
147.3532, 316.2528

■ 0.0000, 0.0000,
6.5738

180.7623,

■ 0.0000, 0.0000,

183.4433, 377.1105

3.1227

221.1810,
224.9919, 445.3139

■ 0.0000, 0.0000,
1.1576

■ 0.0000, 0.0000,
0.0000

■ 24.3952, 23.9136,
81.9273

■ 24.3952, 23.9136,
81.9273

■ 22.3776, 20.6041,
81.3954

■ 27.1058, 27.8370,
82.5423

■ 21.7580, 19.5233,
81.2194

■ 30.6071, 32.4319,
83.2447

■ 34.9819, 37.7484,
84.0403

■ 40.3001, 43.8295,
84.9337

■ 46.6244, 50.7145,
85.9293

■ 54.0113, 58.4390,
87.0310

■ 62.5129, 67.0362,
88.2423

■ 72.1778, 76.5373,
89.5668

■ 83.0515, 86.9718,
91.0078

Harmonies

Analogous

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



18.1408, 23.9136, 76.5928



24.3952, 23.9136, 81.9273



31.3998, 23.9136, 67.4198

Triad

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



24.3952, 23.9136, 81.9273



34.5026, 23.9136, 9.5442



12.8497, 23.9136, 14.3031

Complementary

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



24.3952, 23.9136, 81.9273



42.6416, 34.0055, 5.6844

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.



15.8226, 23.9136, 6.4126



24.3952, 23.9136, 81.9273



28.0325, 23.9136, 4.7506

Square

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



24.3952, 23.9136, 81.9273



37.9307, 23.9136, 21.6509



21.1408, 23.9136, 3.9794



12.2527, 23.9136, 30.9807

Rectangle

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



24.3952, 23.9136, 81.9273



35.2881, 23.9136, 51.2746



21.1408, 23.9136, 3.9794



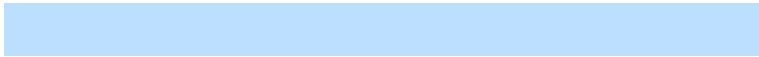
13.5716, 23.9136, 10.8348

Sweetspot

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



24.3962, 23.9143, 81.9279



65.2597, 70.5960, 104.7946



34.3429, 61.3397, 31.1943



13.2716, 14.3909, 22.3282



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.



24.3962, 23.9143, 81.9279



26.1163, 23.3526, 97.7388



16.2050, 7.5318, 79.1975



14.8692, 15.8249, 19.1931



12.2376, 11.1223, 45.2448



1.0572, 1.0659, 3.5849

Inverse Universe

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



39.2224, 20.4742, 25.1777



45.3115, 22.8886, 23.3702



63.2714, 75.2650, 12.5610



15.3876, 15.1829, 17.3262



21.0323, 10.6156, 11.2373



1.7001, 0.8530, 1.1383

Previews

White Background



This preview shows how the XYZ color 24.3952, 23.9136, 81.9273 looks on a white background.

Color Contrast Check

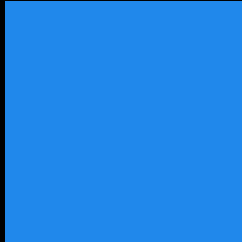
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.3952, 23.9136, 81.9273 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

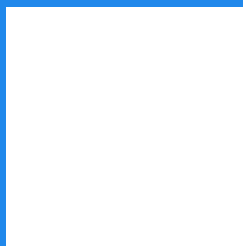
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.3952, 23.9136, 81.9273

Background



This preview shows how black text looks on a background with the XYZ color 24.3952, 23.9136, 81.9273.



This preview shows how white text looks on a background with the XYZ color 24.3952, 23.9136,

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

24.3952, 23.9136, 81.9273

Protanopia

26.3419, 23.7961, 77.3335

Deuteranopia

24.6556, 23.8397, 81.8993



Tritanopia

16.8479, 23.6830, 36.4842

Trichromacy



Original Color

24.3952, 23.9136, 81.9273

Protanomaly

25.1293, 23.5373, 78.8200

Deuteranomaly

24.4961, 23.7574, 81.8918

Tritanomaly

19.0945, 23.6125, 50.5650

Monochromacy



Original Color

24.3952, 23.9136, 81.9273

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

17.0873, 18.6004, 35.4905

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.3952, 23.9136, 81.9273 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(32, 136, 235)` looks like.

```
.text, #text, p{  
    color:rgb(32, 136, 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(32, 136, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 136, 235) }
```

Border

The CSS property to change the border of an element to XYZ 24.3952, 23.9136, 81.9273 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(32, 136, 235) }
```


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

```
.border{ border-color:rgb(32, 136, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(32, 136, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 136, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 136, 235);  
box-shadow:4px 4px 4px 4px rgb(32, 136,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 24.3952, 23.9136, 81.9273 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 136, 235) }
```

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

```
.background{ background-color: rgb(32, 136,  
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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