

Converting Colors

XYZ(33.2589, 39.3443, 78.0257)

Have a look what the booklet for
XYZ(33.2589, 39.3443, 78.0257)
contains.

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Color

**XYZ(33.3272, 39.5250,
77.8241)**

Conversions

Conversions Part 1

Format	Color
Hex	52B3E2
RGB	82, 179, 226
RGB Percent	32%, 70%, 89%
CMY	0.6784, 0.2980, 0.1137
CMYK	0.64, 0.21, 0.00, 0.11
HSL	200°, 71%, 60%
HSV	200°, 64%, 89%
XYZ	33.3272, 39.5250, 77.8241
YIQ	155.3550, -72.8990, -5.9470

Conversions

Conversions Part 2

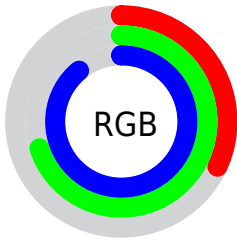
Format	Color
R _Y B	82, 140, 226
Decimal	5420002
CIE Lab	69.13, -14.36, -32.04
CIE LCh	69, 35.114, 245.861
Yxy	39.5250, 0.2212, 0.2623
Android (android.graphics.Color)	4283610082 (0xFF52B3E2)
YUV	155.3550, 34.8280, -64.3323
Hunter-Lab	62.8689, -15.3966, -29.3856

Details

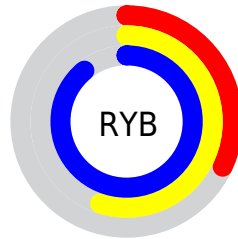
The XYZ color **33.3272, 39.5250, 77.8241** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted azure. A complement of this color would be **40.7387, 32.4804, 12.1063**, and the grayscale version is **31.1880, 32.8122, 35.7325**.

A 20% lighter version of the original color is **59.2599, 72.5660, 105.4910**, and **14.7166, 17.8240, 40.6949** is the 20% darker color. If you saturate the color by 10%, you get **30.2369, 35.7962, 77.2680**, and if you desaturate by 10%, it is **37.1462, 43.7483, 78.4388**.

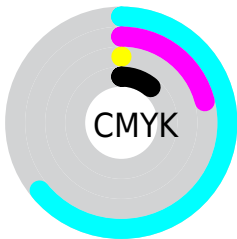
Distribution



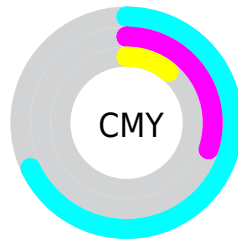
- Red (32%)
- Green (70%)
- Blue (89%)



- Red (32%)
- Yellow (55%)
- Blue (89%)



- Cyan (64%)
- Magenta (21%)
- Yellow (0%)
- Black (11%)



- Cyan (68%)
- Magenta (30%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.3272, 39.5250, 77.8241 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 33.3272, 39.5250, 77.8241 by changing the saturation by 10% instead.

■ 33.3272, 39.5250,
77.8241

■ 33.3272, 39.5250,
77.8241

308.7605,
344.1174, 507.0813

■ 22.5377, 27.1684,
57.4139

■ 64.2373, 74.4397,
132.0857

■ 14.3713, 17.6997,
40.9261

■ 85.0886, 97.7665,
166.7743

■ 8.4628, 10.7346,
27.9421

■ 110.0244,
125.5189, 207.0593

■ 4.4468, 5.8887,
18.0433

■ 139.4103,
158.0811, 253.3594

■ 1.9579, 2.7775,
10.8113

173.6115,
195.8378, 306.0931

■ 0.6101, 1.0167,
5.8275

212.9933,

■ 0.0000, 0.0000,

239.1731, 365.6790

2.6734

257.9212,
288.4715, 432.5356

■ 0.0000, 0.0000,
0.9300

■ 0.0000, 0.0000,
0.0000

■ 33.3272, 39.5250,
77.8241

■ 33.3272, 39.5250,
77.8241

■ 30.2369, 35.7962,
77.2680

■ 37.1462, 43.7483,
78.4388

■ 27.8038, 32.5211,
76.7641

■ 41.7484, 48.4939,
79.1122

■ 25.9474, 29.6570,
76.3091

■ 47.1874, 53.7918,
79.8481

■ 24.9942, 28.0241,
76.0442

■ 53.5106, 59.6681,
80.6491

■ 60.7618, 66.1471,
81.5175

■ 68.9817, 73.2514,
82.4555

■ 78.2083, 81.0023,
83.4653

■ 85.5465, 87.9087,
84.4116

■ 87.7385, 92.2929,
85.1423

Harmonies

Analogous

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



29.4871, 39.5250, 63.7852



33.3272, 39.5250, 77.8241



38.6795, 39.5250, 81.6544

Triad

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



33.3272, 39.5250, 77.8241



49.3497, 39.5250, 39.9581



31.5968, 39.5250, 22.5435

Complementary

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



33.3272, 39.5250, 77.8241



40.7387, 32.4804, 12.1063

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.



36.4767, 39.5250, 19.0423



33.3272, 39.5250, 77.8241



47.0033, 39.5250, 27.3588

Square

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



33.3272, 39.5250, 77.8241



48.2938, 39.5250, 56.9434



42.1527, 39.5250, 20.5552



28.5598, 39.5250, 31.6002

Rectangle

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



33.3272, 39.5250, 77.8241



42.4708, 39.5250, 77.2430



42.1527, 39.5250, 20.5552



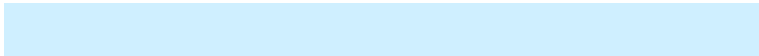
33.0566, 39.5250, 20.7960

Sweetspot

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



33.3285, 39.5264, 77.8251



74.5776, 82.2628, 106.5554



34.5473, 57.7356, 29.6094



15.3894, 17.0918, 22.7379



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.



33.3285, 39.5264, 77.8251



38.7805, 45.8058, 101.4052



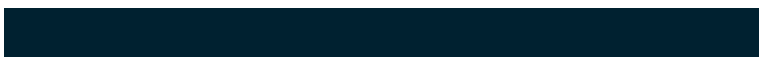
22.6135, 18.0963, 74.2534



13.7198, 14.7788, 17.5172



14.3715, 16.2125, 43.4202



1.0767, 1.2848, 3.0365

Inverse Universe

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



42.5192, 25.4594, 45.3223



52.4056, 28.4134, 52.4433



53.4499, 57.9028, 16.3434



14.0948, 13.8556, 16.2694



21.1943, 10.5447, 18.2206



1.5097, 0.7472, 1.4769

Previews

White Background



This preview shows how the XYZ color 33.3272, 39.5250, 77.8241 looks on a white background.

Color Contrast Check

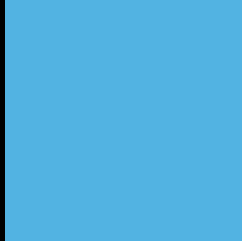
Large Text (above 18pt) WCAG AA × Fail

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 33.3272, 39.5250, 77.8241 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

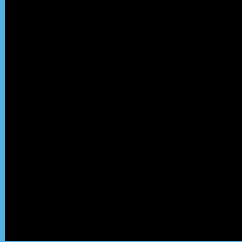
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.3272, 39.5250, 77.8241

Background



This preview shows how black text looks on a background with the XYZ color 33.3272, 39.5250, 77.8241.

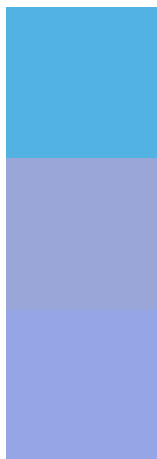


This preview shows how white text looks on a background with the XYZ color 33.3272, 39.5250,

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

33.3272, 39.5250, 77.8241

Protanopia

39.5485, 39.1989, 70.4475

Deuteranopia

39.9924, 38.9570, 79.5404



Tritanopia

29.8332, 39.6334, 60.1105

Trichromacy



Original Color

33.3272, 39.5250, 77.8241

Protanomaly

36.3833, 38.8823, 73.2976

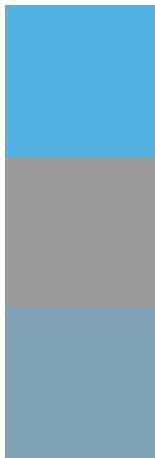
Deuteranomaly

36.8358, 38.7109, 78.9293

Tritanomaly

30.9842, 39.4758, 66.3082

Monochromacy



Original Color

33.3272, 39.5250, 77.8241

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

30.5180, 34.4763, 48.7622

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.3272, 39.5250, 77.8241 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(82, 179, 226)` looks like.

```
.text, #text, p{  
    color:rgb(82, 179, 226)  
}
```

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(82, 179, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 179, 226) }
```

Border

The CSS property to change the border of an element to XYZ 33.3272, 39.5250, 77.8241 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(82, 179, 226) }
```


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

```
.border{ border-color:rgb(82, 179, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 179, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 179, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 179, 226);  
box-shadow:4px 4px 4px 4px rgb(82, 179,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 33.3272, 39.5250, 77.8241 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 179, 226) }
```

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

```
.background{ background-color: rgb(82, 179,  
226) }
```

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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