

Converting Colors

XYZ(33.1977, 39.7933, 74.5312)

Have a look what the booklet for
XYZ(33.1977, 39.7933, 74.5312)
contains.

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Color

**XYZ(33.2102, 39.8414,
74.3464)**

Conversions

Conversions Part 1

Format	Color
Hex	56B4DD
RGB	86, 180, 221
RGB Percent	34%, 71%, 87%
CMY	0.6627, 0.2941, 0.1333
CMYK	0.61, 0.19, 0.00, 0.13
HSL	198°, 67%, 60%
HSV	198°, 61%, 87%
XYZ	33.2102, 39.8414, 74.3464
YIQ	156.5680, -69.1850, -7.1770

Conversions

Conversions Part 2

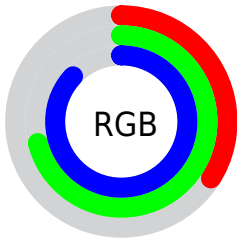
Format	Color
RYB	86, 141, 221
Decimal	5682397
CIELab	69.36, -15.75, -28.95
CIELCh	69, 32.956, 241.452
Yxy	39.8414, 0.2253, 0.2703
Android (android.graphics.Color)	4283872477 (0xFF56B4DD)
YUV	156.5680, 31.7650, -61.8881
Hunter-Lab	63.1200, -16.5435, -25.6511

Details

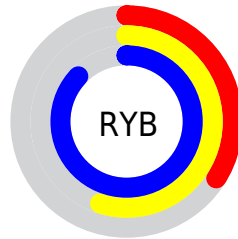
The XYZ color **33.2102, 39.8414, 74.3464** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted azure. A complement of this color would be **39.0894, 31.2248, 12.7725**, and the grayscale version is **31.7397, 33.3927, 36.3646**.

A 20% lighter version of the original color is **60.0781, 73.4139, 105.6116**, and **14.4723, 17.9319, 38.7748** is the 20% darker color. If you saturate the color by 10%, you get **30.1590, 36.3061, 73.8256**, and if you desaturate by 10%, it is **36.9586, 43.8351, 74.9205**.

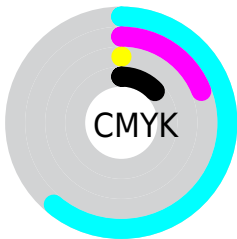
Distribution



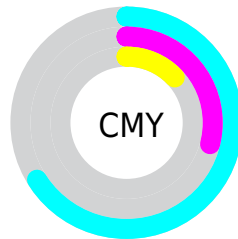
- Red (34%)
- Green (71%)
- Blue (87%)



- Red (34%)
- Yellow (55%)
- Blue (87%)



- Cyan (61%)
- Magenta (19%)
- Yellow (0%)
- Black (13%)



- Cyan (66%)
- Magenta (29%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.2102, 39.8414, 74.3464 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 33.2102, 39.8414, 74.3464 by changing the saturation by 10% instead.

■ 33.2102, 39.8414,
74.3464

■ 33.2102, 39.8414,
74.3464

308.2441,
345.4546, 494.8634

■ 22.4475, 27.4149,
54.5791

■ 64.0560, 74.9219,
127.1253

■ 14.3045, 17.8851,
38.6685

■ 84.8699, 98.3448,
160.9740

■ 8.4159, 10.8675,
26.1961

■ 109.7649,
126.2019, 200.3535

■ 4.4162, 5.9778,
16.7433

■ 139.1064,
158.8776, 245.6825

■ 1.9402, 2.8316,
9.8916

173.2597,
196.7563, 297.3795

■ 0.6000, 1.0445,
5.2225

212.5902,

■ 0.0000, 0.0000,

240.2225, 355.8629

2.3174

257.4632,
289.6605, 421.5514

■ 0.0000, 0.0000,
0.7409

■ 0.0000, 0.0000,
0.0000

■ 33.2102, 39.8414,
74.3464

■ 33.2102, 39.8414,
74.3464

■ 30.1590, 36.3061,
73.8256

■ 36.9586, 43.8351,
74.9205

■ 27.7399, 33.1920,
73.3520

■ 41.4536, 48.3116,
75.5476

■ 25.8815, 30.4615,
72.9229

■ 46.7443, 53.2984,
76.2313

■ 24.5873, 28.2925,
72.5725

■ 52.8746, 58.8194,
76.9739

■ 59.8847, 64.8965,
77.7774

■ 67.8124, 71.5505,
78.6439

■ 76.6929, 78.8008,
79.5753

■ 83.6283, 85.1546,
80.4362

■ 85.5723, 89.0426,
81.0842

Harmonies

Analogous

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



29.8336, 39.8414, 60.4330



33.2102, 39.8414, 74.3464



38.1265, 39.8414, 79.5232

Triad

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



33.2102, 39.8414, 74.3464



48.9789, 39.8414, 42.6462



32.8027, 39.8414, 22.9660

Complementary

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



33.2102, 39.8414, 74.3464



39.0894, 31.2248, 12.7725

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.



37.6108, 39.8414, 20.2819



33.2102, 39.8414, 74.3464



47.2292, 39.8414, 29.8816

Square

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



33.2102, 39.8414, 74.3464



47.5286, 39.8414, 58.8516



42.9423, 39.8414, 22.4861



29.6142, 39.8414, 30.8904

Rectangle

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



33.2102, 39.8414, 74.3464



41.7129, 39.8414, 76.5510



42.9423, 39.8414, 22.4861



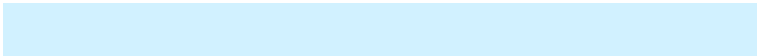
34.2671, 39.8414, 21.5167

Sweetspot

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



33.2115, 39.8428, 74.3474



75.8458, 83.7359, 106.7729



33.4938, 55.2117, 28.8019



15.6529, 17.4126, 22.7859



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.



33.2115, 39.8428, 74.3474



40.7941, 49.0807, 101.9312



22.7956, 19.0110, 70.8754



13.0937, 14.1272, 16.6889



14.3870, 16.6435, 42.1926



1.0066, 1.2273, 2.7583

Inverse Universe

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



41.3860, 25.3245, 45.8882



53.6056, 29.5965, 56.5949



50.7915, 54.6290, 16.6732



13.4372, 13.2040, 15.5634



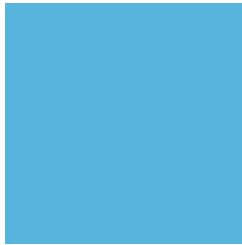
20.7572, 10.3039, 18.8995



1.3824, 0.6826, 1.4225

Previews

White Background



This preview shows how the XYZ color 33.2102, 39.8414, 74.3464 looks on a white background.

Color Contrast Check

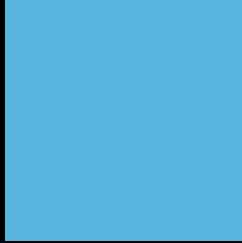
Large Text (above 18pt) WCAG AA × Fail

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 33.2102, 39.8414, 74.3464 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 33.2102, 39.8414, 74.3464

Background



This preview shows how black text looks on a background with the XYZ color 33.2102, 39.8414, 74.3464.

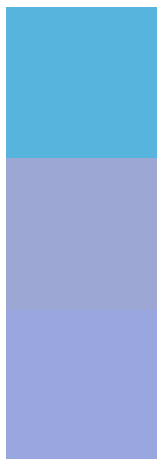


This preview shows how white text looks on a background with the XYZ color 33.2102, 39.8414,

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

33.2102, 39.8414, 74.3464

Protanopia

39.4812, 39.5087, 67.1731

Deuteranopia

40.4172, 39.5243, 76.0197



Tritanopia

30.4298, 39.9410, 60.1384

Trichromacy



Original Color

33.2102, 39.8414, 74.3464

Protanomaly

36.3783, 39.2366, 69.9461

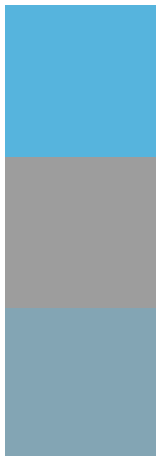
Deuteranomaly

36.9355, 39.1207, 75.4164

Tritanomaly

31.5042, 40.0774, 65.1068

Monochromacy



Original Color

33.2102, 39.8414, 74.3464

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

31.0534, 35.0308, 48.3050

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2102, 39.8414, 74.3464 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(86, 180, 221)` looks like.

```
.text, #text, p{  
    color:rgb(86, 180, 221)  
}
```

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(86, 180, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 180, 221) }
```

Border

The CSS property to change the border of an element to XYZ 33.2102, 39.8414, 74.3464 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(86, 180, 221) }
```


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

```
.border{ border-color:rgb(86, 180, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 180, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 180, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 180, 221);  
box-shadow:4px 4px 4px 4px rgb(86, 180,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 33.2102, 39.8414, 74.3464 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 180, 221) }
```

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

```
.background{ background-color: rgb(86, 180,  
221) }
```

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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