

Converting Colors

XYZ(33.8825, 34.9285, 81.6896)

Have a look what the booklet for
XYZ(33.8825, 34.9285, 81.6896)
contains.

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Color

**XYZ(33.9350, 34.9751,
82.0531)**

Conversions

Conversions Part 1

Format	Color
Hex	6DA2E9
RGB	109, 162, 233
RGB Percent	43%, 64%, 91%
CMY	0.5725, 0.3647, 0.0863
CMYK	0.53, 0.30, 0.00, 0.09
HSL	214°, 74%, 67%
HSV	214°, 53%, 91%
XYZ	33.9350, 34.9751, 82.0531
YIQ	154.2470, -54.3790, 10.8450

Conversions

Conversions Part 2

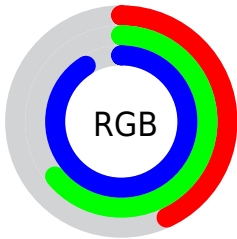
Format	Color
RYB	109, 146, 233
Decimal	7185129
CIELab	65.73, 2.43, -41.09
CIELCh	66, 41.161, 273.382
Yxy	34.9751, 0.2248, 0.2317
Android (android.graphics.Color)	4285375209 (0xFF6DA2E9)
YUV	154.2470, 38.8252, -39.6816
Hunter-Lab	59.1397, -1.0694, -40.8637

Details

The XYZ color **33.9350, 34.9751, 82.0531** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **52.6873, 51.0723, 21.5507**, and the grayscale version is **30.6767, 32.2743, 35.1467**.

A 20% lighter version of the original color is **58.7992, 65.0612, 104.0668**, and **14.7470, 15.1240, 43.7370** is the 20% darker color. If you saturate the color by 10%, you get **29.2127, 29.2355, 81.1948**, and if you desaturate by 10%, it is **39.6687, 41.6075, 83.0318**.

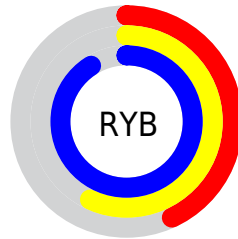
Distribution



Red (43%)

Green (64%)

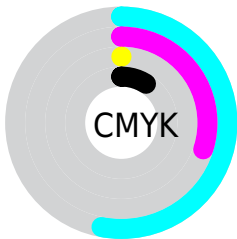
Blue (91%)



Red (43%)

Yellow (57%)

Blue (91%)

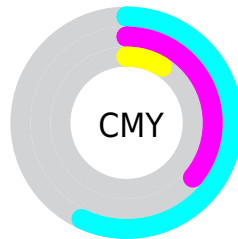


Cyan (53%)

Magenta (30%)

Yellow (0%)

Black (9%)



Cyan (57%)

Magenta (36%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.9350, 34.9751, 82.0531 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 33.9350, 34.9751, 82.0531 by changing the saturation by 10% instead.

■ 33.9350, 34.9751,
82.0531

■ 33.9350, 34.9751,
82.0531

311.4331,
324.4584, 521.7134

■ 23.0063, 23.6437,
60.8732

■ 65.1775, 67.4472,
138.0858

■ 14.7189, 15.0695,
43.6930

■ 86.2221, 89.3567,
173.7757

■ 8.7074, 8.8682,
30.0938

■ 111.3694,
115.5610, 215.1394

■ 4.6064, 4.6553,
19.6571

140.9846,
146.4445, 262.5955

■ 2.0506, 2.0465,
11.9645

175.4333,
182.3916, 316.5623

■ 0.6621, 0.6343,
6.5972

215.0807,

■ 0.0000, 0.0000,

223.7867, 377.4586

3.1369

260.2922,
271.0141, 445.7027

■ 0.0000, 0.0000,
1.1650

■ 0.0000, 0.0000,
0.0000

■ 33.9350, 34.9751,
82.0531

■ 33.9350, 34.9751,
82.0531

■ 29.2127, 29.2355,
81.1948

■ 39.6687, 41.6075,
83.0318

■ 25.4289, 24.3378,
80.4489

■ 46.4723, 49.1719,
84.1333

■ 22.5057, 20.2303,
79.8102

■ 54.4036, 57.7094,
85.3631

■ 20.3485, 16.8516,
79.2717

■ 63.5154, 67.2572,
86.7258

■ 19.2257, 14.9185,
78.9577

■ 73.8566, 77.8503,
88.2254

■ 85.4734, 89.5221,
89.8660

■ 91.7081, 98.6632,
91.3019

Harmonies

Analogous

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



28.2907, 34.9751, 76.3857



33.9350, 34.9751, 82.0531



40.0752, 34.9751, 73.2968

Triad

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



33.9350, 34.9751, 82.0531



43.9528, 34.9751, 22.5133



23.8757, 34.9751, 25.0018

Complementary

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



33.9350, 34.9751, 82.0531



52.6873, 51.0723, 21.5507

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.



27.2348, 34.9751, 16.4604



33.9350, 34.9751, 82.0531



38.7415, 34.9751, 15.3603

Square

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



33.9350, 34.9751, 82.0531



46.2842, 34.9751, 36.1468



32.5600, 34.9751, 13.5385



22.9148, 34.9751, 40.0849

Rectangle

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



33.9350, 34.9751, 82.0531



43.4998, 34.9751, 61.6565



32.5600, 34.9751, 13.5385



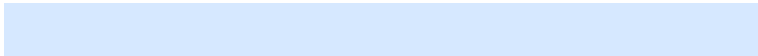
24.7399, 34.9751, 21.4435

Sweetspot

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



33.9363, 34.9763, 82.0540



74.5949, 79.0560, 105.9355



43.6106, 64.7955, 52.9993



15.4641, 16.3963, 22.5997



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.



33.9363, 34.9763, 82.0540



35.2854, 35.1685, 99.5362



27.5501, 20.6226, 79.6200



14.7605, 15.6075, 19.1568



11.0263, 8.6997, 44.8410



0.9595, 0.8705, 3.5523

Inverse Universe

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



45.5956, 30.8710, 37.7391



51.5318, 31.4725, 37.3333



62.8685, 75.3475, 25.6997



15.3327, 15.1609, 17.0372



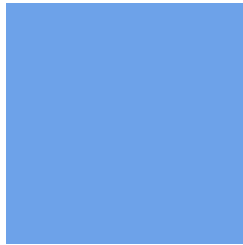
20.4209, 10.3710, 8.0177



1.6508, 0.8333, 0.8786

Previews

White Background



This preview shows how the XYZ color 33.9350, 34.9751, 82.0531 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 33.9350, 34.9751, 82.0531 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

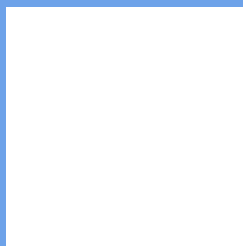
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.9350, 34.9751, 82.0531

Background



This preview shows how black text looks on a background with the XYZ color 33.9350, 34.9751, 82.0531.



This preview shows how white text looks on a background with the XYZ color 33.9350, 34.9751,

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

33.9350, 34.9751, 82.0531

Protanopia

36.3532, 35.0053, 78.9694

Deuteranopia

35.8305, 34.9063, 82.6910



Tritanopia

27.7335, 34.9039, 51.1744

Trichromacy



Original Color

33.9350, 34.9751, 82.0531

Protanomaly

35.2852, 34.9451, 79.7483

Deuteranomaly

34.9951, 34.7299, 82.7010

Tritanomaly

29.7003, 34.8662, 61.0416

Monochromacy



Original Color

33.9350, 34.9751, 82.0531

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

31.0854, 32.9361, 49.5187

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.9350, 34.9751, 82.0531 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(109, 162, 233)` looks like.

```
.text, #text, p{  
    color:rgb(109, 162, 233)  
}
```

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(109, 162, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 162, 233) }
```

Border

The CSS property to change the border of an element to XYZ 33.9350, 34.9751, 82.0531 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(109, 162, 233) }
```


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

```
.border{ border-color:rgb(109, 162, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 162, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 162, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 162, 233);  
box-shadow:4px 4px 4px 4px rgb(109, 162,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 33.9350, 34.9751, 82.0531 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 162, 233) }
```

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

```
.background{ background-color: rgb(109,  
162, 233) }
```

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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