

Converting Colors

XYZ(33.3863, 34.1246, 90.0385)

Have a look what the booklet for
XYZ(33.3863, 34.1246, 90.0385)
contains.

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Color

**XYZ(33.5882, 34.3485,
90.4476)**

Conversions

Conversions Part 1

Format	Color
Hex	5DA1F4
RGB	93, 161, 244
RGB Percent	36%, 63%, 96%
CMY	0.6353, 0.3686, 0.0431
CMYK	0.62, 0.34, 0.00, 0.04
HSL	213°, 87%, 66%
HSV	213°, 62%, 96%
XYZ	33.5882, 34.3485, 90.4476
YIQ	150.1300, -67.1710, 11.3970

Conversions

Conversions Part 2

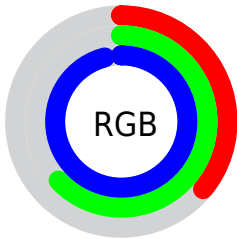
Format	Color
R _Y B	93, 140, 244
Decimal	6136308
CIE Lab	65.24, 3.33, -47.94
CIE LCh	65, 48.057, 273.976
Yxy	34.3485, 0.2121, 0.2169
Android (android.graphics.Color)	4284326388 (0xFF5DA1F4)
YUV	150.1300, 46.2779, -50.1030
Hunter-Lab	58.6076, -0.2644, -50.4754

Details

The XYZ color **33.5882, 34.3485, 90.4476** is a light color, and the websafe version is hex **3399FF**. The color can be described as light muted azure. A complement of this color would be **54.8115, 51.0773, 17.3279**, and the grayscale version is **28.8762, 30.3800, 33.0838**.

A 20% lighter version of the original color is **55.8680, 62.7894, 103.7828**, and **14.5456, 14.7397, 49.0921** is the 20% darker color. If you saturate the color by 10%, you get **29.2814, 28.8338, 89.6109**, and if you desaturate by 10%, it is **38.9366, 40.7744, 91.4067**.

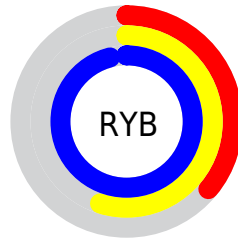
Distribution



Red (36%)

Green (63%)

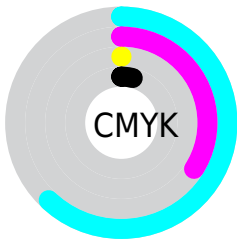
Blue (96%)



Red (36%)

Yellow (55%)

Blue (96%)

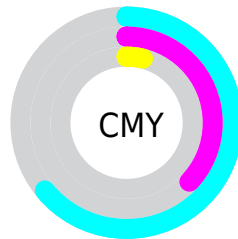


Cyan (62%)

Magenta (34%)

Yellow (0%)

Black (4%)



Cyan (64%)

Magenta (37%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.5882, 34.3485, 90.4476 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 33.5882, 34.3485, 90.4476 by changing the saturation by 10% instead.

■ 33.5882, 34.3485,
90.4476

■ 33.5882, 34.3485,
90.4476

309.9103,
321.6832, 550.0934

■ 22.7388, 23.1615,
67.7761

■ 64.6413, 66.4752,
149.9009

■ 14.5204, 14.7128,
49.2501

■ 85.5758, 88.1837,
187.5199

■ 8.5676, 8.6180,
34.4509

■ 110.6026,
114.1682, 230.9584

■ 4.5151, 4.4929,
22.9600

■ 140.0872,
144.8129, 280.6350

■ 1.9975, 1.9529,
14.3590

174.3949,
180.5024, 336.9683

■ 0.6325, 0.5799,
8.2292

213.8911,

■ 0.0000, 0.0000,

221.6210, 400.3767

4.1521

258.9411,
268.5532, 471.2790

■ 0.0000, 0.0000,
1.7091

■ 0.0000, 0.0000,
0.3670

■ 33.5882, 34.3485,
90.4476

■ 33.5882, 34.3485,
90.4476

■ 29.2814, 28.8338,
89.6109

■ 38.9366, 40.7744,
91.4067

■ 25.9265, 24.1709,
88.8877

■ 45.3980, 48.1580,
92.4914

■ 23.4226, 20.2960,
88.2717

■ 53.0414, 56.5462,
93.7076

■ 21.8918, 17.6568,
87.8430

■ 61.9287, 65.9811,
95.0603

■ 72.1173, 76.5023,
96.5541

■ 83.6607, 88.1469,
98.1933

■ 93.2939, 99.2411,
99.8270

■ 93.3293, 99.3117,
99.8388

Harmonies

Analogous

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



27.0977, 34.3485, 83.7546



33.5882, 34.3485, 90.4476



40.7500, 34.3485, 79.2680

Triad

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



33.5882, 34.3485, 90.4476



45.1108, 34.3485, 19.7476



21.9967, 34.3485, 22.9247

Complementary

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



33.5882, 34.3485, 90.4476



54.8115, 51.0773, 17.3279

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.



25.6967, 34.3485, 13.6977



33.5882, 34.3485, 90.4476



38.9069, 34.3485, 12.3761

Square

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



33.5882, 34.3485, 90.4476



47.9763, 34.3485, 34.7933



31.7240, 34.3485, 10.6412



20.9900, 34.3485, 40.1331

Rectangle

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



33.5882, 34.3485, 90.4476



44.7699, 34.3485, 64.9159



31.7240, 34.3485, 10.6412



22.9380, 34.3485, 19.0206

Sweetspot

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



33.5895, 34.3497, 90.4485



71.5012, 76.1099, 105.5299



44.4610, 70.0675, 50.9896



14.6454, 15.6039, 22.4899



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.



33.5895, 34.3497, 90.4485



31.4277, 30.6100, 98.8597



25.2858, 16.9609, 87.5297



16.1957, 17.1556, 21.0003



12.0357, 9.8651, 47.8078



1.1589, 1.0693, 4.2355

Inverse Universe

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



47.6568, 29.6367, 36.9277



48.8139, 27.4348, 32.1174



69.9129, 83.8375, 22.8553



16.8093, 16.6066, 18.7425



21.8796, 11.0953, 9.3401



1.9740, 0.9956, 1.0896

Previews

White Background



This preview shows how the XYZ color 33.5882, 34.3485, 90.4476 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 33.5882, 34.3485, 90.4476 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

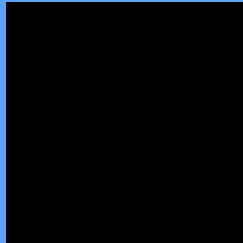
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

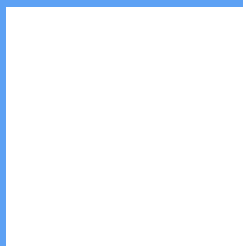
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.5882, 34.3485, 90.4476

Background



This preview shows how black text looks on a background with the XYZ color 33.5882, 34.3485, 90.4476.



This preview shows how white text looks on a background with the XYZ color 33.5882, 34.3485,

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

33.5882, 34.3485, 90.4476

Protanopia

36.2034, 34.2639, 86.3668

Deuteranopia

35.2205, 34.1513, 91.1217



Tritanopia

25.7954, 34.1740, 51.6911

Trichromacy



Original Color

33.5882, 34.3485, 90.4476

Protanomaly

35.0044, 34.1097, 87.9580

Deuteranomaly

34.5340, 34.0495, 91.1383

Tritanomaly

28.1668, 34.0061, 64.1108

Monochromacy



Original Color

33.5882, 34.3485, 90.4476

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

29.2606, 31.2390, 49.8349

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5882, 34.3485, 90.4476 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(93, 161, 244)` looks like.

```
.text, #text, p{  
    color:rgb(93, 161, 244)  
}
```

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(93, 161, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 161, 244) }
```

Border

The CSS property to change the border of an element to XYZ 33.5882, 34.3485, 90.4476 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(93, 161, 244) }
```


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

```
.border{ border-color:rgb(93, 161, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 161, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 161, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 161, 244);  
box-shadow:4px 4px 4px 4px rgb(93, 161,  
244) }
```

Background

The CSS property to change the background color of an element to XYZ 33.5882, 34.3485, 90.4476 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 161, 244) }
```

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

```
.background{ background-color: rgb(93, 161,  
244) }
```

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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