

Converting Colors

XYZ(33.4338, 33.4953, 99.3108)

Have a look what the booklet for
XYZ(33.4338, 33.4953, 99.3108)
contains.

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Color

**XYZ(33.5087, 33.5941,
99.3259)**

Conversions

Conversions Part 1

Format	Color
Hex	4D9FFF
RGB	77, 159, 255
RGB Percent	30%, 62%, 100%
CMY	0.6980, 0.3765, 0.0000
CMYK	0.70, 0.38, 0.00, 0.00
HSL	212°, 100%, 65%
HSV	212°, 70%, 100%
XYZ	33.5087, 33.5941, 99.3259
YIQ	145.4260, -79.6880, 12.4720

Conversions

Conversions Part 2

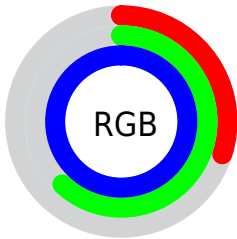
Format	Color
RYB	77, 133, 255
Decimal	5087231
CIELab	64.64, 5.64, -54.94
CIELCh	65, 55.224, 275.858
Yxy	33.5941, 0.2013, 0.2019
Android (android.graphics.Color)	4283277311 (0xFF4D9FFF)
YUV	145.4260, 54.0200, -60.0096
Hunter-Lab	57.9604, 1.7656, -61.0321

Details

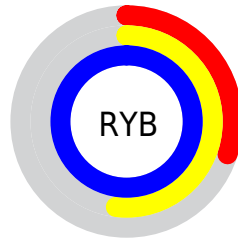
The XYZ color **33.5087, 33.5941, 99.3259** is a light color, and the websafe version is hex **3399FF**. The color can be described as light washed azure. A complement of this color would be **57.5253, 51.6867, 13.9679**, and the grayscale version is **26.8988, 28.2997, 30.8183**.

A 20% lighter version of the original color is **53.3458, 60.7378, 103.5197**, and **15.5556, 14.8023, 55.4633** is the 20% darker color. If you saturate the color by 10%, you get **29.6045, 28.2639, 98.5029**, and if you desaturate by 10%, it is **38.4843, 39.8681, 100.2747**.

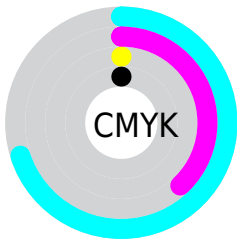
Distribution



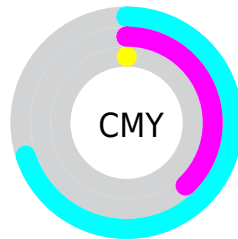
- Red (30%)
- Green (62%)
- Blue (100%)



- Red (30%)
- Yellow (52%)
- Blue (100%)



- Cyan (70%)
- Magenta (38%)
- Yellow (0%)
- Black (0%)



- Cyan (70%)
- Magenta (38%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.5087, 33.5941, 99.3259 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 33.5087, 33.5941, 99.3259 by changing the saturation by 10% instead.

■ 33.5087, 33.5941,
99.3259

■ 33.5087, 33.5941,
99.3259

309.5604,
318.3183, 579.2575

■ 22.6775, 22.5820,
75.1239

■ 64.5183, 65.3020,
162.2743

■ 14.4750, 14.2851,
55.2121

■ 85.4274, 86.7665,
201.8578

■ 8.5356, 8.3192,
39.1718

■ 110.4266,
112.4839, 247.4056

■ 4.4942, 4.2999,
26.5846

■ 139.8812,
142.8386, 299.3362

■ 1.9854, 1.8427,
17.0318

174.1565,
178.2150, 358.0681

■ 0.6257, 0.5136,
10.0950

213.6179,

■ 0.0000, 0.0000,

218.9975, 424.0200

5.3555

258.6307,
265.5705, 497.6102

■ 0.0000, 0.0000,
2.3950

■ 0.0000, 0.0000,
0.7837

■ 33.5087, 33.5941,
99.3259

■ 33.5087, 33.5941,
99.3259

■ 29.6045, 28.2639,
98.5029

■ 38.4843, 39.8681,
100.2747

■ 26.6592, 23.8056,
97.7976

■ 44.6200, 47.1426,
101.3554

■ 24.5044, 20.1194,
97.1996

■ 51.9986, 55.4722,
102.5743

■ 24.4657, 20.0514,
97.1886

■ 60.6935, 64.9060,
103.9370

■ 70.7721, 75.4894,
105.4486

■ 82.2969, 87.2651,
107.1141

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



26.1012, 33.5941, 92.5105



33.5087, 33.5941, 99.3259



41.7006, 33.5941, 84.4965

Triad

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



33.5087, 33.5941, 99.3259



45.9215, 33.5941, 16.5262



19.9584, 33.5941, 21.4904

Complementary

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



33.5087, 33.5941, 99.3259



57.5253, 51.6867, 13.9679

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.



23.8192, 33.5941, 11.4042



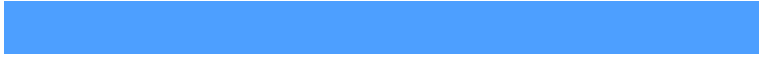
33.5087, 33.5941, 99.3259



38.5682, 33.5941, 9.4788

Square

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



33.5087, 33.5941, 99.3259



49.5888, 33.5941, 32.3079



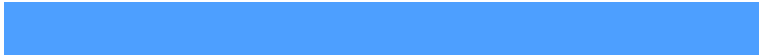
30.4020, 33.5941, 8.0951



19.0573, 33.5941, 41.2093

Rectangle

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



33.5087, 33.5941, 99.3259



46.2552, 33.5941, 66.9001



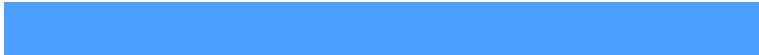
30.4020, 33.5941, 8.0951



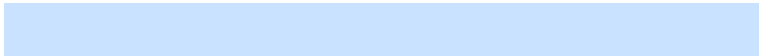
20.9179, 33.5941, 17.1635

Sweetspot

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



33.5099, 33.5951, 99.3261



69.4870, 74.1568, 105.2591



46.2620, 76.0744, 51.2444



14.2572, 15.2304, 22.4383



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.



33.5099, 33.5951, 99.3261



28.2575, 26.2893, 98.1928



24.2670, 14.3658, 96.1016



17.6925, 18.7566, 22.9378



12.9294, 10.7684, 50.8316



1.3667, 1.2641, 4.9852

Inverse Universe

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



50.1528, 29.0726, 35.7699



46.7208, 24.7100, 26.9141



76.1908, 92.2080, 20.8055



18.3574, 18.1263, 20.4995



23.3144, 11.8150, 10.3058



2.3245, 1.1722, 1.2900

Previews

White Background



This preview shows how the XYZ color 33.5087, 33.5941, 99.3259 looks on a white background.

Color Contrast Check

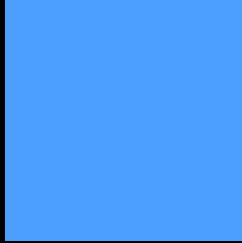
Large Text (above 18pt) WCAG AA × Fail

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 33.5087, 33.5941, 99.3259 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

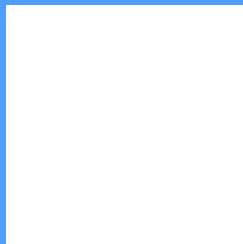
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.5087, 33.5941, 99.3259

Background



This preview shows how black text looks on a background with the XYZ color 33.5087, 33.5941, 99.3259.



This preview shows how white text looks on a background with the XYZ color 33.5087, 33.5941,

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

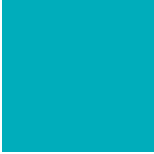
33.5087, 33.5941, 99.3259

Protanopia

36.0979, 33.5440, 94.1946

Deuteranopia

34.6212, 33.6611, 99.2803



Tritanopia

23.9132, 33.4750, 52.2147

Trichromacy



Original Color

33.5087, 33.5941, 99.3259

Protanomaly

34.8429, 33.3508, 95.8677

Deuteranomaly

34.2073, 33.7000, 99.3096

Tritanomaly

26.3652, 33.0056, 67.2685

Monochromacy



Original Color

33.5087, 33.5941, 99.3259

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

27.4090, 29.3085, 50.1114

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5087, 33.5941, 99.3259 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(77, 159, 255)` looks like.

```
.text, #text, p{  
    color:rgb(77, 159, 255)  
}
```

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(77, 159, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 159, 255) }
```

Border

The CSS property to change the border of an element to XYZ 33.5087, 33.5941, 99.3259 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(77, 159, 255) }
```


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

```
.border{ border-color:rgb(77, 159, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 159, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 159, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 159, 255);  
box-shadow:4px 4px 4px 4px rgb(77, 159,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 33.5087, 33.5941, 99.3259 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 159, 255) }
```

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

```
.background{ background-color: rgb(77, 159,  
255) }
```

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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