

Converting Colors

XYZ(33.5492, 36.5117, 92.1836)

Have a look what the booklet for
XYZ(33.5492, 36.5117, 92.1836)
contains.

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Color

**XYZ(33.5702, 36.4462,
92.4543)**

Conversions

Conversions Part 1

Format	Color
Hex	49A9F6
RGB	73, 169, 246
RGB Percent	29%, 66%, 96%
CMY	0.7137, 0.3372, 0.0353
CMYK	0.70, 0.31, 0.00, 0.04
HSL	207°, 91%, 63%
HSV	207°, 70%, 96%
XYZ	33.5702, 36.4462, 92.4543
YIQ	149.0740, -81.9330, 3.5950

Conversions

Conversions Part 2

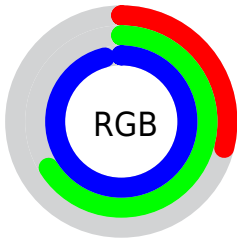
Format	Color
R _Y B	73, 135, 246
Decimal	4827638
CIE Lab	66.86, -3.72, -46.53
CIE LCh	67, 46.675, 265.430
Yxy	36.4462, 0.2066, 0.2243
Android (android.graphics.Color)	4283017718 (0xFF49A9F6)
YUV	149.0740, 47.7845, -66.7169
Hunter-Lab	60.3707, -6.3906, -48.5398

Details

The XYZ color **33.5702, 36.4462, 92.4543** is a light color, and the websafe version is hex **0099FF**. The color can be described as light washed azure. A complement of this color would be **50.1175, 41.8904, 11.7496**, and the grayscale version is **28.4301, 29.9107, 32.5727**.

A 20% lighter version of the original color is **55.5209, 66.1068, 104.4414**, and **15.5466, 16.3967, 50.4896** is the 20% darker color. If you saturate the color by 10%, you get **30.1089, 31.7638, 91.7337**, and if you desaturate by 10%, it is **37.9414, 41.8520, 93.2681**.

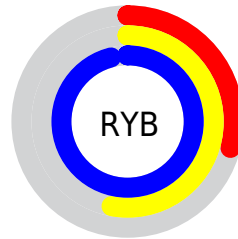
Distribution



Red (29%)

Green (66%)

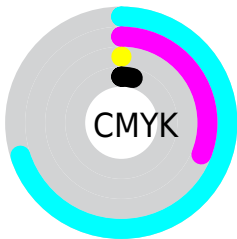
Blue (96%)



Red (29%)

Yellow (53%)

Blue (96%)

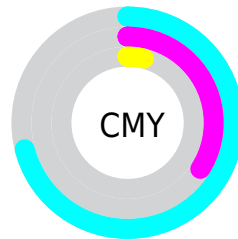


Cyan (70%)

Magenta (31%)

Yellow (0%)

Black (4%)



Cyan (71%)

Magenta (34%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.5702, 36.4462, 92.4543 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 33.5702, 36.4462, 92.4543 by changing the saturation by 10% instead.

■ 33.5702, 36.4462,
92.4543

■ 33.5702, 36.4462,
92.4543

309.8311,
330.9066, 556.7575

■ 22.7249, 24.7790,
69.4329

■ 64.6135, 69.7202,
152.7080

■ 14.5101, 15.9125,
50.5904

■ 85.5422, 92.0958,
190.7774

■ 8.5604, 9.4622,
35.5083

■ 110.5628,
118.8097, 234.6999

■ 4.5104, 5.0439,
23.7680

■ 140.0406,
150.2462, 284.8940

■ 1.9947, 2.2730,
14.9510

174.3410,
186.7897, 341.7783

■ 0.6310, 0.7594,
8.6388

213.8293,

■ 0.0000, 0.0000,

228.8247, 405.7713

4.4127

258.8708,
276.7356, 477.2915

■ 0.0000, 0.0000,
1.8544

■ 0.0000, 0.0000,
0.4635

■ 33.5702, 36.4462,
92.4543

■ 33.5702, 36.4462,
92.4543

■ 30.1089, 31.7638,
91.7337

■ 37.9414, 41.8520,
93.2681

■ 27.4566, 27.7450,
91.0978

■ 43.3001, 48.0255,
94.1773

■ 25.5099, 24.4044,
90.5556

■ 49.7193, 55.0108,
95.1872

■ 57.2634, 62.8465,
96.3021

65.9915, 71.5686,
97.5256

75.9582, 81.2105,
98.8613

87.2145, 91.8035,
100.3127

93.6347, 99.4339,
101.4472

Harmonies

Analogous

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



27.4921, 36.4462, 81.1015



33.5702, 36.4462, 92.4543



40.8065, 36.4462, 86.1952

Triad

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



33.5702, 36.4462, 92.4543



48.4111, 36.4462, 25.2150



24.6179, 36.4462, 21.4523

Complementary

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



33.5702, 36.4462, 92.4543



50.1175, 41.8904, 11.7496

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.



29.1302, 36.4462, 13.9017



33.5702, 36.4462, 92.4543



42.9328, 36.4462, 15.4992

Square

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



33.5702, 36.4462, 92.4543



50.0195, 36.4462, 42.8640



35.7344, 36.4462, 12.1678



22.7899, 36.4462, 36.6648

Rectangle

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



33.5702, 36.4462, 92.4543



45.2451, 36.4462, 73.7169



35.7344, 36.4462, 12.1678



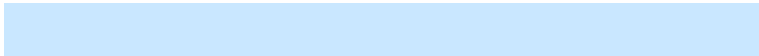
25.8385, 36.4462, 18.1676

Sweetspot

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



33.5716, 36.4474, 92.4552



70.8805, 76.9438, 105.7236



41.0478, 69.4664, 39.2510



14.5880, 15.8919, 22.5485



0.0000, 0.0000, 0.0000



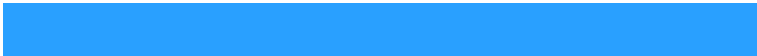
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



33.5716, 36.4474, 92.4552



31.4680, 32.7103, 99.2629



22.5960, 14.4963, 88.7967



16.3437, 17.4517, 21.0497



13.7583, 13.3104, 48.3820



1.3117, 1.3747, 4.2865

Inverse Universe

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



47.5513, 27.2243, 40.2856



48.3413, 25.3582, 35.4476



68.7657, 79.1869, 17.9657



16.8841, 16.6365, 19.1361



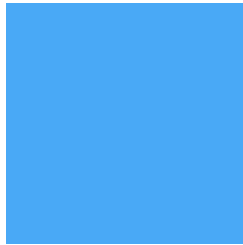
22.7491, 11.4431, 13.9189



2.0511, 1.0264, 1.4956

Previews

White Background



This preview shows how the XYZ color 33.5702, 36.4462, 92.4543 looks on a white background.

Color Contrast Check

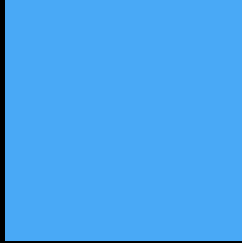
Large Text (above 18pt) WCAG AA × Fail

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 33.5702, 36.4462, 92.4543 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

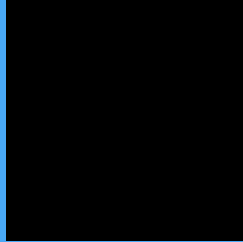
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

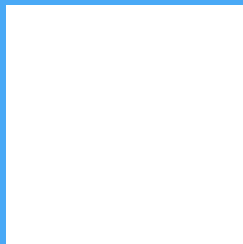
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.5702, 36.4462, 92.4543

Background



This preview shows how black text looks on a background with the XYZ color 33.5702, 36.4462, 92.4543.



This preview shows how white text looks on a background with the XYZ color 33.5702, 36.4462,

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

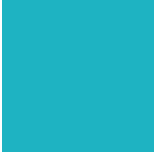
33.5702, 36.4462, 92.4543

Protanopia

37.8224, 36.1202, 85.8674

Deuteranopia

37.2959, 36.1890, 93.8264



Tritanopia

26.3931, 36.4113, 56.6759

Trichromacy



Original Color

33.5702, 36.4462, 92.4543

Protanomaly

35.6565, 35.9900, 88.2866

Deuteranomaly

35.5435, 36.0911, 93.0886

Tritanomaly

28.4669, 36.0449, 68.4078

Monochromacy



Original Color

33.5702, 36.4462, 92.4543

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

28.4254, 31.3026, 49.8912

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5702, 36.4462, 92.4543 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(73, 169, 246)` looks like.

```
.text, #text, p{  
    color:rgb(73, 169, 246)  
}
```

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(73, 169, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 169, 246) }
```

Border

The CSS property to change the border of an element to XYZ 33.5702, 36.4462, 92.4543 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(73, 169, 246) }
```


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

```
.border{ border-color:rgb(73, 169, 246) }
```

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

Here you see how a box with a 4 pixel rgb(73, 169, 246) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 169, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 169, 246);  
box-shadow:4px 4px 4px 4px rgb(73, 169,  
246) }
```

Background

The CSS property to change the background color of an element to XYZ 33.5702, 36.4462, 92.4543 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 169, 246) }
```

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

```
.background{ background-color: rgb(73, 169,  
246) }
```

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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