

Converting Colors

XYZ(35.7661, 38.5725,
100.1679)

Have a look what the booklet for
XYZ(35.7661, 38.5725, 100.1679)
contains.

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Color

**XYZ(35.7412, 38.5236,
100.1598)**

Conversions

Conversions Part 1

Format	Color
Hex	49ADFF
RGB	73, 173, 255
RGB Percent	29%, 68%, 100%
CMY	0.7137, 0.3216, 0.0000
CMYK	0.71, 0.32, 0.00, 0.00
HSL	207°, 100%, 64%
HSV	207°, 71%, 100%
XYZ	35.7412, 38.5236, 100.1598
YIQ	152.4480, -85.9220, 4.3020

Conversions

Conversions Part 2

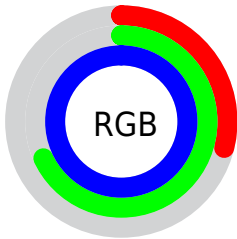
Format	Color
R _Y B	73, 138, 255
Decimal	4828671
CIE Lab	68.40, -2.92, -48.98
CIE LCh	68, 49.071, 266.590
Yxy	38.5236, 0.2049, 0.2209
Android (android.graphics.Color)	4283018751 (0xFF49ADFF)
YUV	152.4480, 50.5581, -69.6759
Hunter-Lab	62.0674, -5.8296, -52.2307

Details

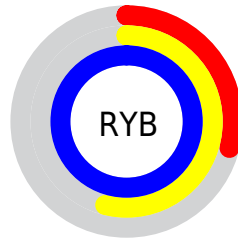
The XYZ color **35.7412, 38.5236, 100.1598** is a light color, and the websafe version is hex **0099FF**. The color can be described as light washed azure. A complement of this color would be **54.1660, 45.1872, 12.1725**, and the grayscale version is **29.8553, 31.4101, 34.2056**.

A 20% lighter version of the original color is **56.7779, 68.3695, 104.8119**, and **17.0304, 17.7520, 55.9550** is the 20% darker color. If you saturate the color by 10%, you get **32.0806, 33.5058, 99.3842**, and if you desaturate by 10%, it is **40.3852, 44.3308, 101.0359**.

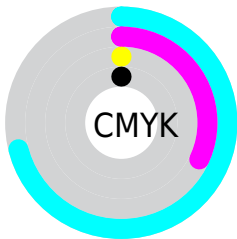
Distribution



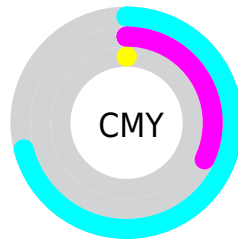
- Red (29%)
- Green (68%)
- Blue (100%)



- Red (29%)
- Yellow (54%)
- Blue (100%)



- Cyan (71%)
- Magenta (32%)
- Yellow (0%)
- Black (0%)



- Cyan (71%)
- Magenta (32%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.7412, 38.5236, 100.1598 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 35.7412, 38.5236, 100.1598 by changing the saturation by 10% instead.

■ 35.7412, 38.5236,
100.1598

■ 35.7412, 38.5236,
100.1598

319.2790,
339.8608, 581.9559

■ 24.4036, 26.3893,
75.8164

■ 67.9589, 72.9100,
163.4306

■ 15.7596, 17.1151,
55.7762

■ 89.5697, 95.9309,
203.1950

■ 9.4440, 10.3166,
39.6207

■ 115.3356,
123.3494, 248.9368

■ 5.0913, 5.6094,
26.9314

■ 145.6219,
155.5500, 301.0746

■ 2.3362, 2.6090,
17.2897

180.7941,
192.9170, 360.0268

■ 0.8131, 0.9312,
10.2771

221.2174,

■ 0.0000, 0.0000,

235.8349, 426.2121

5.4751

267.2573,
284.6880, 500.0490

■ 0.0000, 0.0000,
2.4651

■ 0.0000, 0.0000,
0.8216

■ 35.7412, 38.5236,
100.1598

■ 35.7412, 38.5236,
100.1598

■ 32.0806, 33.5058,
99.3842

■ 40.3852, 44.3308,
101.0359

■ 29.2912, 29.2107,
98.7022

■ 46.0995, 50.9772,
102.0176

■ 27.4435, 26.0069,
98.1812

■ 52.9650, 58.5118,
103.1101

■ 61.0529, 66.9775,
104.3179

■ 70.4284, 76.4140,
105.6452

■ 81.1517, 86.8586,
107.0960

■ 93.2790, 98.3458,
108.6740

■ 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.



29.0482, 38.5236, 88.2711



35.7412, 38.5236, 100.1598



43.6556, 38.5236, 92.4816

Triad

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



35.7412, 38.5236, 100.1598



51.5269, 38.5236, 25.6755



25.5881, 38.5236, 22.6508

Complementary

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



35.7412, 38.5236, 100.1598



54.1660, 45.1872, 12.1725

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.



30.3762, 38.5236, 14.2929



35.7412, 38.5236, 100.1598



45.3946, 38.5236, 15.5600

Square

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



35.7412, 38.5236, 100.1598



53.4861, 38.5236, 44.5208



37.5040, 38.5236, 12.2464



23.7276, 38.5236, 39.4717

Rectangle

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



35.7412, 38.5236, 100.1598



48.4677, 38.5236, 78.3851



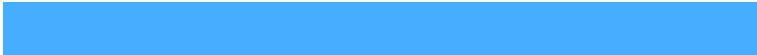
37.5040, 38.5236, 12.2464



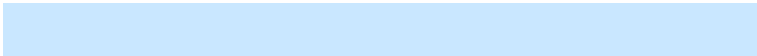
26.8726, 38.5236, 19.0208

Sweetspot

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



35.7425, 38.5248, 100.1599



70.7987, 76.7802, 105.6963



44.4171, 75.3004, 43.1626



14.5685, 15.8530, 22.5420



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.



35.7425, 38.5248, 100.1599



30.6876, 31.4306, 99.0570



23.8242, 14.6883, 96.1872



17.8304, 19.0323, 22.9838



14.4911, 13.8918, 51.3522



1.5201, 1.5709, 5.0364

Inverse Universe

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



51.1663, 29.0439, 42.4454



47.8787, 24.9104, 33.8218



75.3685, 87.5923, 19.2401



18.4270, 18.1541, 20.8658



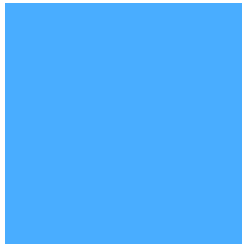
24.1026, 12.1304, 14.4569



2.4019, 1.2031, 1.6978

Previews

White Background



This preview shows how the XYZ color 35.7412, 38.5236, 100.1598 looks on a white background.

Color Contrast Check

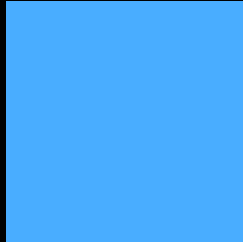
Large Text (above 18pt) WCAG AA × Fail

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 35.7412, 38.5236, 100.1598 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

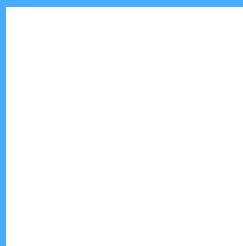
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.7412, 38.5236, 100.1598

Background



This preview shows how black text looks on a background with the XYZ color 35.7412, 38.5236, 100.1598.

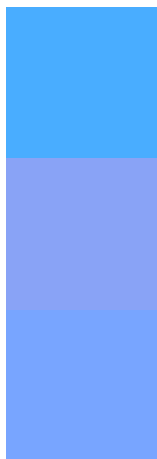


This preview shows how white text looks on a background with the XYZ color 35.7412, 38.5236,

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

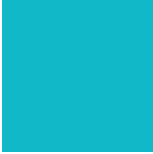
35.7412, 38.5236, 100.1598

Protanopia

40.0483, 38.1666, 92.4449

Deuteranopia

39.2509, 38.1233, 99.8975



Tritanopia

27.6805, 38.5237, 60.0097

Trichromacy



Original Color

35.7412, 38.5236, 100.1598

Protanomaly

37.8570, 38.0544, 94.9725

Deuteranomaly

37.6462, 38.1088, 99.9793

Tritanomaly

29.8704, 38.1503, 72.8072

Monochromacy



Original Color

35.7412, 38.5236, 100.1598

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

29.9245, 33.0267, 52.9417

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.7412, 38.5236, 100.1598 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, 173, 255)` looks like.

```
.text, #text, p{  
    color:rgb(73, 173, 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(73, 173, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 173, 255) }
```

Border

The CSS property to change the border of an element to XYZ 35.7412, 38.5236, 100.1598 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, 173, 255) }
```


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

```
.border{ border-color:rgb(73, 173, 255) }
```

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

Here you see how a box with a 4 pixel rgb(73, 173, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 173, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 173, 255);  
box-shadow:4px 4px 4px 4px rgb(73, 173,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 35.7412, 38.5236, 100.1598 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 173, 255) }
```

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

```
.background{ background-color: rgb(73, 173,  
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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