

Converting Colors

XYZ(35.9435, 42.3156, 91.0694)

Have a look what the booklet for
XYZ(35.9435, 42.3156, 91.0694)
contains.

XYZ(35.9809, 42.4342, 91.0882)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(35.9809, 42.4342,
91.0882)**

Conversions

Conversions Part 1

Format	Color
Hex	45B9F3
RGB	69, 185, 243
RGB Percent	27%, 73%, 95%
CMY	0.7294, 0.2745, 0.0471
CMYK	0.72, 0.24, 0.00, 0.05
HSL	200°, 88%, 61%
HSV	200°, 72%, 95%
XYZ	35.9809, 42.4342, 91.0882
YIQ	156.9280, -87.7540, -6.5540

Conversions

Conversions Part 2

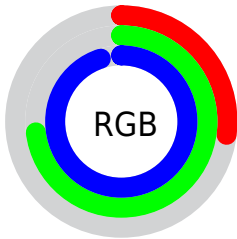
Format	Color
R _{YB}	69, 139, 243
Decimal	4569587
CIE Lab	71.17, -14.03, -38.16
CIE LCh	71, 40.656, 249.813
Yxy	42.4342, 0.2123, 0.2503
Android (android.graphics.Color)	4282759667 (0xFF45B9F3)
YUV	156.9280, 42.4335, -77.1129
Hunter-Lab	65.1415, -15.4033, -37.3068

Details

The XYZ color **35.9809, 42.4342, 91.0882** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed azure. A complement of this color would be **45.6279, 34.6663, 9.9187**, and the grayscale version is **31.8612, 33.5204, 36.5038**.

A 20% lighter version of the original color is **59.8218, 75.4490, 106.0179**, and **17.2209, 20.0904, 49.9839** is the 20% darker color. If you saturate the color by 10%, you get **32.9502, 38.4281, 90.4755**, and if you desaturate by 10%, it is **39.8164, 47.0000, 91.7682**.

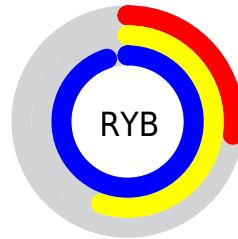
Distribution



Red (27%)

Green (73%)

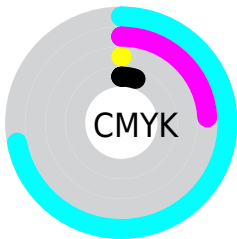
Blue (95%)



Red (27%)

Yellow (55%)

Blue (95%)

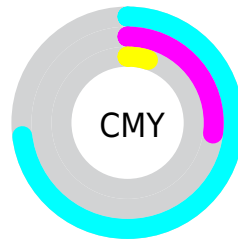


Cyan (72%)

Magenta (24%)

Yellow (0%)

Black (5%)



Cyan (73%)

Magenta (27%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.9809, 42.4342, 91.0882 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 35.9809, 42.4342, 91.0882 by changing the saturation by 10% instead.

35.9809, 42.4342,
91.0882

35.9809, 42.4342,
91.0882

320.3097,
356.2797, 552.2256

24.5895, 29.4414,
68.3048

68.3266, 78.8563,
150.7977

15.8986, 19.4150,
49.6775

90.0117, 103.0545,
188.5609

9.5428, 11.9705,
34.7878

115.8587,
131.7566, 232.1544

5.1568, 6.7236,
23.2172

146.2329,
165.3470, 281.9967

2.3753, 3.2899,
14.5472

181.4998,
204.2101, 338.5065

0.8328, 1.2849,
8.3591

222.0246,

0.0000, 0.1294,

248.7304, 402.1022

4.2345

268.1728,
299.2921, 473.2024

■ 0.0000, 0.0000,
1.7549

■ 0.0000, 0.0000,
0.3979

■ 35.9809, 42.4342,
91.0882

■ 35.9809, 42.4342,
91.0882

■ 32.9502, 38.4281,
90.4755

■ 39.8164, 47.0000,
91.7682

■ 30.6258, 34.9263,
89.9221

■ 44.5306, 52.1637,
92.5164

■ 29.0976, 32.3108,
89.4978

■ 50.1932, 57.9642,
93.3376

■ 56.8655, 64.4353,
94.2350

■ 64.6031, 71.6079,
95.2116

■ 73.4577, 79.5107,
96.2703

■ 83.4771, 88.1704,
97.4137

■ 91.5430, 95.9815,
98.4963

■ 93.1778, 99.2511,
99.0412

Harmonies

Analogous

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



31.0882, 42.4342, 74.6102



35.9809, 42.4342, 91.0882



42.6052, 42.4342, 93.8752

Triad

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



35.9809, 42.4342, 91.0882



54.6580, 42.4342, 40.1033



32.5169, 42.4342, 22.9716

Complementary

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



35.9809, 42.4342, 91.0882



45.6279, 34.6663, 9.9187

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.



38.1420, 42.4342, 18.2295



35.9809, 42.4342, 91.0882



51.2485, 42.4342, 26.1137

Square

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



35.9809, 42.4342, 91.0882



53.9110, 42.4342, 60.3888



45.0214, 42.4342, 19.1899



29.2498, 42.4342, 34.4344

Rectangle

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



35.9809, 42.4342, 91.0882



47.1981, 42.4342, 86.9712



45.0214, 42.4342, 19.1899



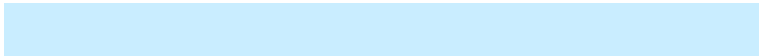
34.1671, 42.4342, 20.7084

Sweetspot

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



35.9824, 42.4357, 91.0893



72.5860, 80.3548, 106.2921



38.3374, 66.9000, 30.9740



14.9946, 16.7052, 22.6841



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.



35.9824, 42.4357, 91.0893



35.4739, 41.0033, 100.6525



23.0016, 16.4741, 86.7623



16.5042, 17.7727, 21.1032



16.0987, 17.9913, 49.1622



1.5091, 1.7697, 4.3523

Inverse Universe

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



47.8486, 26.8155, 48.5542



50.2947, 25.8768, 46.5440



62.0844, 67.5793, 15.4042



16.9651, 16.6689, 19.5626



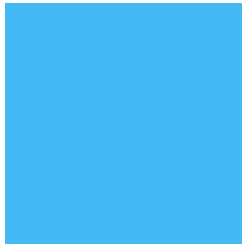
23.9304, 11.9156, 20.1397



2.1508, 1.0663, 2.0205

Previews

White Background



This preview shows how the XYZ color 35.9809, 42.4342, 91.0882 looks on a white background.

Color Contrast Check

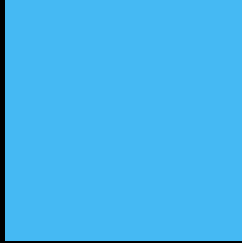
Large Text (above 18pt) WCAG AA × Fail

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 35.9809, 42.4342, 91.0882 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

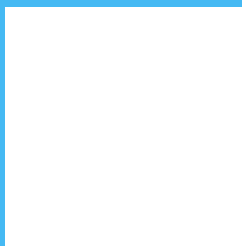
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.9809, 42.4342, 91.0882

Background



This preview shows how black text looks on a background with the XYZ color 35.9809, 42.4342, 91.0882.



This preview shows how white text looks on a background with the XYZ color 35.9809, 42.4342,

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

35.9809, 42.4342, 91.0882

Protanopia

42.8387, 42.0199, 82.1967

Deuteranopia

43.0515, 41.8906, 93.0054



Tritanopia

31.0266, 42.6757, 65.6334

Trichromacy



Original Color

35.9809, 42.4342, 91.0882



Protanomaly

38.9778, 41.3919, 85.2920



Deuteranomaly

39.4780, 41.4948, 92.3148



Tritanomaly

32.4811, 42.2663, 74.1564

Monochromacy



Original Color

35.9809, 42.4342, 91.0882



Achromatopsia

32.0474, 33.7164, 36.7171



Achromatomaly

31.3533, 35.6282, 52.8014

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.9809, 42.4342, 91.0882 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(69, 185, 243)` looks like.

```
.text, #text, p{  
    color:rgb(69, 185, 243)  
}
```

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(69, 185, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 185, 243) }
```

Border

The CSS property to change the border of an element to XYZ 35.9809, 42.4342, 91.0882 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(69, 185, 243) }
```


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

```
.border{ border-color:rgb(69, 185, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 185, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 185, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 185, 243);  
box-shadow:4px 4px 4px 4px rgb(69, 185,  
243) }
```

Background

The CSS property to change the background color of an element to XYZ 35.9809, 42.4342, 91.0882 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 185, 243) }
```

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

```
.background{ background-color: rgb(69, 185,  
243) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor