

Converting Colors

XYZ(35.8590, 42.4452, 95.8526)

Have a look what the booklet for
XYZ(35.8590, 42.4452, 95.8526)
contains.

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Color

**XYZ(35.9732, 42.6355,
95.9560)**

Conversions

Conversions Part 1

Format	Color
Hex	32BAF9
RGB	50, 186, 249
RGB Percent	20%, 73%, 98%
CMY	0.8038, 0.2706, 0.0235
CMYK	0.80, 0.25, 0.00, 0.02
HSL	199°, 94%, 59%
HSV	199°, 80%, 98%
XYZ	35.9732, 42.6355, 95.9560
YIQ	152.5180, -101.2790, -9.2390

Conversions

Conversions Part 2

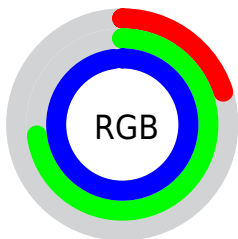
Format	Color
RYB	50, 131, 249
Decimal	3324665
CIELab	71.31, -14.65, -41.22
CIELCh	71, 43.746, 250.436
Yxy	42.6355, 0.2061, 0.2442
Android (android.graphics.Color)	4281514745 (0xFF32BAF9)
YUV	152.5180, 47.5656, -89.9083
Hunter-Lab	65.2959, -15.9274, -41.4229

Details

The XYZ color **35.9732, 42.6355, 95.9560** 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 **45.5505, 32.1845, 6.8311**, and the grayscale version is **29.9037, 31.4611, 34.2611**.

A 20% lighter version of the original color is **58.5545, 75.2363, 106.0436**, and **17.9020, 20.5808, 52.8981** is the 20% darker color. If you saturate the color by 10%, you get **33.4469, 38.9359, 95.3759**, and if you desaturate by 10%, it is **39.2607, 46.8649, 96.6000**.

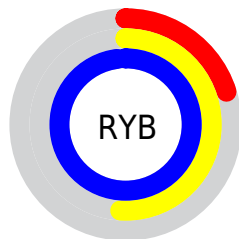
Distribution



Red (20%)

Green (73%)

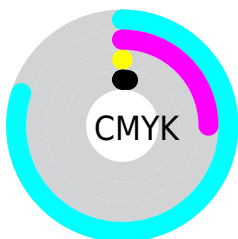
Blue (98%)



Red (20%)

Yellow (51%)

Blue (98%)

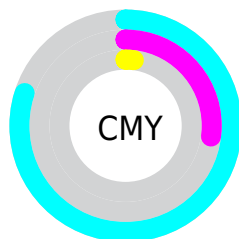


Cyan (80%)

Magenta (25%)

Yellow (0%)

Black (2%)



Cyan (80%)

Magenta (27%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.9732, 42.6355, 95.9560 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 35.9732, 42.6355, 95.9560 by changing the saturation by 10% instead.

■ 35.9732, 42.6355,
95.9560

■ 35.9732, 42.6355,
95.9560

320.2767,
357.1106, 568.2833

■ 24.5835, 29.5992,
72.3296

■ 68.3148, 79.1605,
157.5916

■ 15.8941, 19.5346,
52.9395

■ 89.9975, 103.4181,
196.4380

■ 9.5396, 12.0572,
37.3671

■ 115.8419,
132.1848, 241.1947

■ 5.1547, 6.7826,
25.1938

■ 146.2133,
165.8452, 292.2804

■ 2.3740, 3.3265,
16.0012

181.4771,
204.7836, 350.1135

■ 0.8321, 1.3045,
9.3706

221.9987,

■ 0.0000, 0.1447,

249.3843, 415.1127

4.8836

268.1435,
300.0319, 487.6965

■ 0.0000, 0.0000,
2.1216

■ 0.0000, 0.0000,
0.6286

■ 35.9732, 42.6355,
95.9560

■ 35.9732, 42.6355,
95.9560

■ 33.4469, 38.9359,
95.3759

■ 39.2607, 46.8649,
96.6000

■ 31.5207, 35.6788,
94.8488

■ 43.4009, 51.6714,
97.3095

■ 31.5050, 35.6514,
94.8443

■ 48.4764, 57.1003,
98.0899

■ 54.5580, 63.1901,
98.9448

■ 61.7093, 69.9756,
99.8776

■ 69.9884, 77.4887,
100.8914

■ 79.4491, 85.7591,
101.9891

■ 90.1415, 94.8144,
103.1734

■ 94.0990, 99.6196,
103.8923

Harmonies

Analogous

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



30.6909, 42.6355, 77.9325



35.9732, 42.6355, 95.9560



43.1378, 42.6355, 98.6869

Triad

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



35.9732, 42.6355, 95.9560



56.0716, 42.6355, 39.4710



32.0315, 42.6355, 21.9288

Complementary

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



35.9732, 42.6355, 95.9560



45.5505, 32.1845, 6.8311

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.



38.0175, 42.6355, 16.9113



35.9732, 42.6355, 95.9560



52.2600, 42.6355, 24.8092

Square

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



35.9732, 42.6355, 95.9560



55.3519, 42.6355, 61.3378



45.4428, 42.6355, 17.7761



28.6129, 42.6355, 34.1458

Rectangle

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



35.9732, 42.6355, 95.9560



48.1125, 42.6355, 90.7932



45.4428, 42.6355, 17.7761



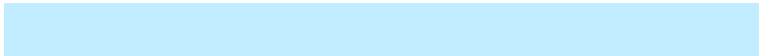
33.7781, 42.6355, 19.5402

Sweetspot

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



35.9747, 42.6370, 95.9571



70.1341, 78.4374, 106.0512



37.9912, 69.5501, 26.0923



14.3528, 16.1887, 22.6182



0.0000, 0.0000, 0.0000



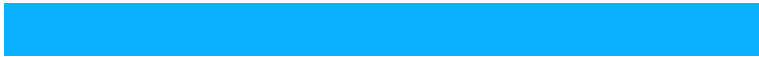
20.3446, 21.4041, 23.3091

Same Dimension

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



35.9747, 42.6370, 95.9571



33.9978, 38.9261, 100.3294



22.0559, 14.7993, 91.3175



17.2753, 18.6274, 22.0702



16.9973, 19.3502, 50.8127



1.6694, 1.9825, 4.7379

Inverse Universe

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



49.0718, 25.9680, 48.8816



49.3360, 24.6755, 44.0168



62.4941, 66.0717, 12.4790



17.7455, 17.4255, 20.5154



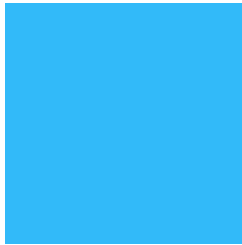
24.8715, 12.3643, 21.8295



2.3516, 1.1644, 2.2748

Previews

White Background



This preview shows how the XYZ color 35.9732, 42.6355, 95.9560 looks on a white background.

Color Contrast Check

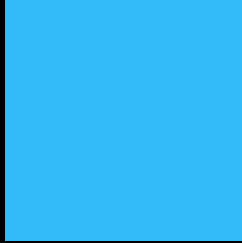
Large Text (above 18pt) WCAG AA × Fail

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 35.9732, 42.6355, 95.9560 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

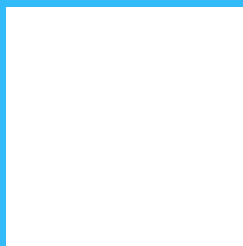
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.9732, 42.6355, 95.9560

Background



This preview shows how black text looks on a background with the XYZ color 35.9732, 42.6355, 95.9560.

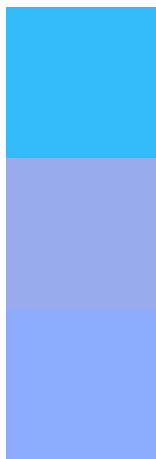


This preview shows how white text looks on a background with the XYZ color 35.9732, 42.6355,

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

35.9732, 42.6355, 95.9560

Protanopia

43.1754, 42.1103, 85.9733

Deuteranopia

43.3077, 42.1960, 97.9575



Tritanopia

30.4551, 42.6940, 66.3101

Trichromacy



Original Color

35.9732, 42.6355, 95.9560

Protanomaly

38.6050, 41.1145, 89.1203

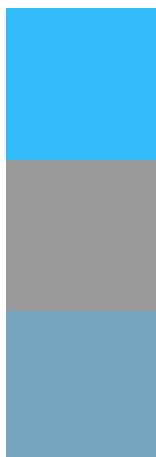
Deuteranomaly

39.3191, 41.5975, 97.2236

Tritanomaly

31.9822, 42.2832, 76.2879

Monochromacy



Original Color

35.9732, 42.6355, 95.9560

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

29.7347, 34.2541, 52.6215

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.9732, 42.6355, 95.9560 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(50, 186, 249)` looks like.

```
.text, #text, p{  
    color:rgb(50, 186, 249)  
}
```

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(50, 186, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 186, 249) }
```

Border

The CSS property to change the border of an element to XYZ 35.9732, 42.6355, 95.9560 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(50, 186, 249) }
```


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

```
.border{ border-color:rgb(50, 186, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 186, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 186, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 186, 249);  
box-shadow:4px 4px 4px 4px rgb(50, 186,  
249) }
```

Background

The CSS property to change the background color of an element to XYZ 35.9732, 42.6355, 95.9560 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 186, 249) }
```

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

```
.background{ background-color: rgb(50, 186,  
249) }
```

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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