

Converting Colors

XYZ(35.8693, 41.5571, 99.8763)

Have a look what the booklet for
XYZ(35.8693, 41.5571, 99.8763)
contains.

XYZ(35.8616, 41.5582, 99.8974)	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(35.8616, 41.5582,
99.8974)**

Conversions

Conversions Part 1

Format	Color
Hex	2CB7FE
RGB	44, 183, 254
RGB Percent	17%, 72%, 100%
CMY	0.8274, 0.2823, 0.0039
CMYK	0.83, 0.28, 0.00, 0.00
HSL	200°, 99%, 58%
HSV	200°, 83%, 100%
XYZ	35.8616, 41.5582, 99.8974
YIQ	149.5330, -105.6350, -7.3870

Conversions

Conversions Part 2

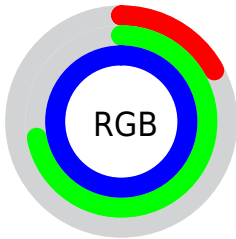
Format	Color
R _Y B	44, 128, 254
Decimal	2930686
CIE Lab	70.57, -11.83, -45.09
CIE LCh	71, 46.614, 255.303
Yxy	41.5582, 0.2022, 0.2344
Android (android.graphics.Color)	4281120766 (0xFF2CB7FE)
YUV	149.5330, 51.5022, -92.5524
Hunter-Lab	64.4656, -13.5171, -46.7511

Details

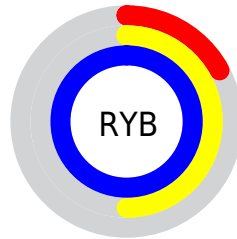
The XYZ color **35.8616, 41.5582, 99.8974** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed azure. A complement of this color would be **47.4616, 33.5194, 6.3534**, and the grayscale version is **28.6163, 30.1066, 32.7861**.

A 20% lighter version of the original color is **57.3739, 73.3130, 105.7346**, and **18.0607, 19.9965, 55.7311** is the 20% darker color. If you saturate the color by 10%, you get **33.3669, 37.7227, 99.2894**, and if you desaturate by 10%, it is **39.1337, 45.9562, 100.5747**.

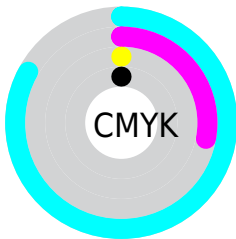
Distribution



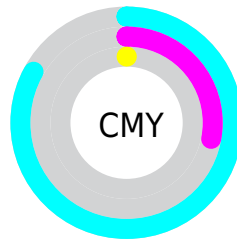
- Red (17%)
- Green (72%)
- Blue (100%)



- Red (17%)
- Yellow (50%)
- Blue (100%)



- Cyan (83%)
- Magenta (28%)
- Yellow (0%)
- Black (0%)



- Cyan (83%)
- Magenta (28%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.8616, 41.5582, 99.8974 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 35.8616, 41.5582, 99.8974 by changing the saturation by 10% instead.

35.8616, 41.5582,
99.8974

35.8616, 41.5582,
99.8974

319.7970,
352.6482, 581.1075

24.4969, 28.7555,
75.5984

68.1437, 77.5305,
163.0668

15.8294, 18.8959,
55.5986

89.7918, 101.4690,
202.7744

9.4936, 11.5951,
39.4794

115.5984,
129.8881, 248.4552

5.1242, 6.4686,
26.8222

145.9289,
163.1724, 300.5279

2.3558, 3.1321,
17.2084

181.1487,
201.7061, 359.4109

0.8230, 1.2011,
10.2197

221.6231,

0.0000, 0.0626,

245.8737, 425.5228

5.4374

267.7174,
296.0596, 499.2822

■ 0.0000, 0.0000,
2.4429

■ 0.0000, 0.0000,
0.8097

■ 35.8616, 41.5582,
99.8974

■ 35.8616, 41.5582,
99.8974

■ 33.3669, 37.7227,
99.2894

■ 39.1337, 45.9562,
100.5747

■ 31.9138, 35.2043,
98.8799

■ 43.2862, 50.9707,
101.3237

■ 48.4096, 56.6516,
102.1502

■ 54.5813, 63.0415,
103.0583

■ 61.8702, 70.1786,
104.0518

■ 70.3393, 78.0976,
105.1339

■ 80.0463, 86.8310,
106.3080

■ 91.0452, 96.4089,
107.5770

■ 94.8896, 99.9358,
108.0552

Harmonies

Analogous

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



29.9753, 41.5582, 82.5735



35.8616, 41.5582, 99.8974



43.5371, 41.5582, 99.7010

Triad

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



35.8616, 41.5582, 99.8974



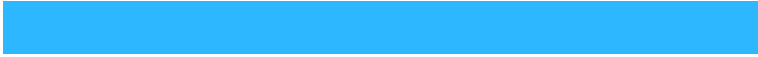
55.5688, 41.5582, 34.9573



29.8835, 41.5582, 21.5001

Complementary

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



35.8616, 41.5582, 99.8974



47.4616, 33.5194, 6.3534

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.



35.7202, 41.5582, 15.4376



35.8616, 41.5582, 99.8974



50.8542, 41.5582, 21.3079

Square

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



35.8616, 41.5582, 99.8974



55.6196, 41.5582, 56.8817



43.3761, 41.5582, 15.3811



26.8409, 41.5582, 35.3227

Rectangle

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



35.8616, 41.5582, 99.8974



48.6875, 41.5582, 89.4201



43.3761, 41.5582, 15.3811



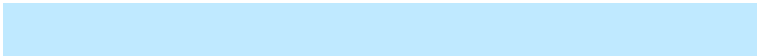
31.5474, 41.5582, 18.7187

Sweetspot

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



35.8631, 41.5596, 99.8985



68.8637, 76.8587, 105.8134



39.5199, 72.6355, 27.8612



14.0887, 15.8445, 22.5657



0.0000, 0.0000, 0.0000



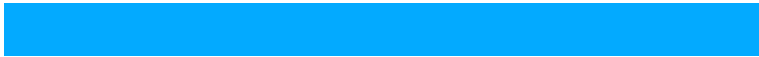
20.3446, 21.4041, 23.3091

Same Dimension

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



35.8631, 41.5596, 99.8985



32.3893, 35.8513, 99.8206



21.7265, 13.2864, 95.1863



18.0073, 19.3861, 23.0428



16.9672, 18.8440, 52.1776



1.7532, 2.0371, 5.1141

Inverse Universe

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



50.3224, 26.2930, 47.2236



48.4894, 24.2040, 39.9683



66.6612, 71.9185, 12.7533



18.5163, 18.1898, 21.3360



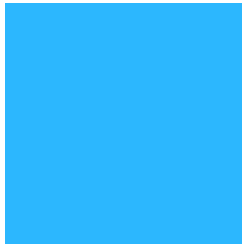
25.3525, 12.6303, 21.0384



2.5195, 1.2502, 2.3173

Previews

White Background



This preview shows how the XYZ color 35.8616, 41.5582, 99.8974 looks on a white background.

Color Contrast Check

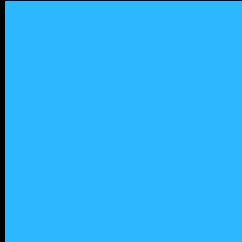
Large Text (above 18pt) WCAG AA × Fail

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 35.8616, 41.5582, 99.8974 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

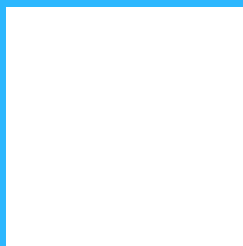
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.8616, 41.5582, 99.8974

Background



This preview shows how black text looks on a background with the XYZ color 35.8616, 41.5582, 99.8974.



This preview shows how white text looks on a background with the XYZ color 35.8616, 41.5582,

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

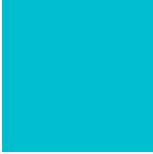
35.8616, 41.5582, 99.8974

Protanopia

42.4277, 41.0826, 89.6980

Deuteranopia

42.0976, 40.9560, 100.2943



Tritanopia

29.4329, 41.2347, 64.1654

Trichromacy



Original Color

35.8616, 41.5582, 99.8974

Protanomaly

38.2010, 40.2409, 92.9426

Deuteranomaly

38.7468, 40.6466, 100.4112

Tritanomaly

31.3033, 40.9785, 76.0718

Monochromacy



Original Color

35.8616, 41.5582, 99.8974

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

28.5530, 32.8510, 52.4129

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.8616, 41.5582, 99.8974 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(44, 183, 254)` looks like.

```
.text, #text, p{  
    color:rgb(44, 183, 254)  
}
```

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(44, 183, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 183, 254) }
```

Border

The CSS property to change the border of an element to XYZ 35.8616, 41.5582, 99.8974 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(44, 183, 254) }
```


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

```
.border{ border-color:rgb(44, 183, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 183, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 183, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 183, 254);  
box-shadow:4px 4px 4px 4px rgb(44, 183,  
254) }
```

Background

The CSS property to change the background color of an element to XYZ 35.8616, 41.5582, 99.8974 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 183, 254) }
```

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

```
.background{ background-color: rgb(44, 183,  
254) }
```

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