

Converting Colors

XYZ(34.3060, 35.3074, 99.6146)

Have a look what the booklet for
XYZ(34.3060, 35.3074, 99.6146)
contains.

XYZ(34.3060, 35.3074, 99.6146)	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(34.3060, 35.3074,
99.6146)**

Conversions

Conversions Part 1

Format	Color
Hex	4CA4FF
RGB	76, 164, 255
RGB Percent	30%, 64%, 100%
CMY	0.7019, 0.3569, 0.0000
CMYK	0.70, 0.36, 0.00, 0.00
HSL	211°, 100%, 65%
HSV	211°, 70%, 100%
XYZ	34.3060, 35.3074, 99.6146
YIQ	148.0620, -81.6590, 9.6450

Conversions

Conversions Part 2

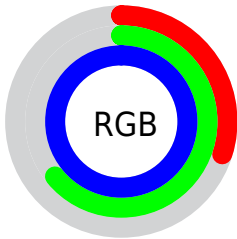
Format	Color
R _Y B	76, 135, 255
Decimal	5022975
CIE Lab	65.99, 2.60, -52.80
CIE LCh	66, 52.863, 272.824
Yxy	35.3074, 0.2027, 0.2086
Android (android.graphics.Color)	4283213055 (0xFF4CA4FF)
YUV	148.0620, 52.7204, -63.1984
Hunter-Lab	59.4200, -0.9285, -57.8026

Details

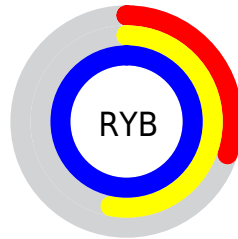
The XYZ color **34.3060, 35.3074, 99.6146** is a light color, and the websafe version is hex **3399FF**. The color can be described as light washed azure. A complement of this color would be **56.3657, 49.4235, 13.4087**, and the grayscale version is **27.9876, 29.4451, 32.0657**.

A 20% lighter version of the original color is **54.7092, 63.7227, 104.0240**, and **16.0982, 15.8875, 55.6442** is the 20% darker color. If you saturate the color by 10%, you get **30.4634, 30.0564, 98.8036**, and if you desaturate by 10%, it is **39.1898, 41.4472, 100.5423**.

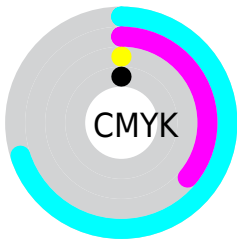
Distribution



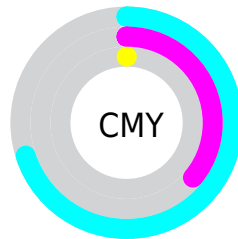
- Red (30%)
- Green (64%)
- Blue (100%)



- Red (30%)
- Yellow (53%)
- Blue (100%)



- Cyan (70%)
- Magenta (36%)
- Yellow (0%)
- Black (0%)



- Cyan (70%)
- Magenta (36%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.3060, 35.3074, 99.6146 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 34.3060, 35.3074, 99.6146 by changing the saturation by 10% instead.

■ 34.3060, 35.3074,
99.6146

■ 34.3060, 35.3074,
99.6146

313.0563,
325.9231, 580.1925

■ 23.2928, 23.8998,
75.3636

■ 65.7504, 67.9617,
162.6747

■ 14.9317, 15.2593,
55.4073

■ 86.9122, 89.9772,
202.3209

■ 8.8575, 9.0016,
39.3271

■ 112.1877,
116.2974, 247.9360

■ 4.7047, 4.7422,
26.7045

■ 141.9421,
147.3067, 299.9384

■ 2.1080, 2.0968,
17.1210

176.5408,
183.3895, 358.7467

■ 0.6936, 0.6628,
10.1579

216.3492,

■ 0.0000, 0.0000,

224.9303, 424.7794

5.3968

261.7326,
272.3133, 498.4552

■ 0.0000, 0.0000,
2.4191

■ 0.0000, 0.0000,
0.7968

■ 34.3060, 35.3074,
99.6146

■ 34.3060, 35.3074,
99.6146

■ 30.4634, 30.0564,
98.8036

■ 39.1898, 41.4472,
100.5423

■ 27.5501, 25.6247,
98.1018

■ 45.2027, 48.5297,
101.5925

■ 25.4288, 21.9776,
97.5096

■ 52.4262, 56.6072,
102.7709

■ 60.9328, 65.7261,
104.0826

■ 70.7890, 75.9296,
105.5326

■ 82.0562, 87.2582,
107.1254

94.7920, 99.7498,
108.8653

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.



27.1396, 35.3074, 90.9925



34.3060, 35.3074, 99.6146



42.4016, 35.3074, 87.2708

Triad

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



34.3060, 35.3074, 99.6146



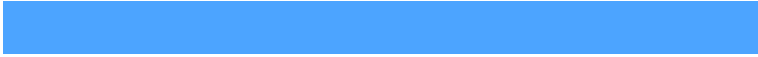
47.8714, 35.3074, 19.4838



21.8651, 35.3074, 21.9180

Complementary

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



34.3060, 35.3074, 99.6146



56.3657, 49.4235, 13.4087

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.



26.0394, 35.3074, 12.3967



34.3060, 35.3074, 99.6146



40.9175, 35.3074, 11.4242

Square

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



34.3060, 35.3074, 99.6146



50.9593, 35.3074, 36.3579



32.8222, 35.3074, 9.4529



20.6525, 35.3074, 40.6079

Rectangle

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



34.3060, 35.3074, 99.6146



47.0449, 35.3074, 70.8389



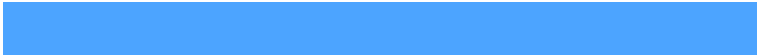
32.8222, 35.3074, 9.4529



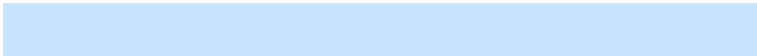
22.9327, 35.3074, 17.8274

Sweetspot

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



34.3072, 35.3085, 99.6148



69.9400, 75.0629, 105.4101



45.5792, 75.7921, 48.0665



14.3646, 15.4451, 22.4741



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.



34.3072, 35.3085, 99.6148



29.2507, 28.2757, 98.5238



23.6168, 13.9277, 96.0513



17.7404, 18.8524, 22.9538



13.4357, 11.7810, 51.0004



1.4172, 1.3651, 5.0021

Inverse Universe

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



50.5263, 29.1110, 38.0787



47.2221, 24.9105, 29.5539



78.3050, 93.3020, 20.7218



18.3816, 18.1360, 20.6267



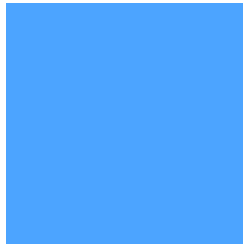
23.5699, 11.9173, 11.6517



2.3499, 1.1824, 1.4242

Previews

White Background



This preview shows how the XYZ color 34.3060, 35.3074, 99.6146 looks on a white background.

Color Contrast Check

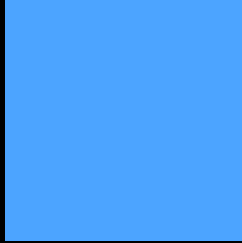
Large Text (above 18pt) WCAG AA × Fail

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 34.3060, 35.3074, 99.6146 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

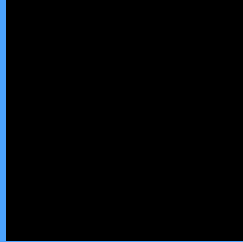
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

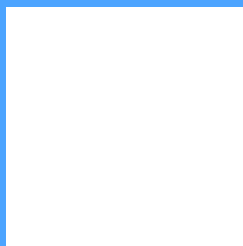
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.3060, 35.3074, 99.6146

Background



This preview shows how black text looks on a background with the XYZ color 34.3060, 35.3074, 99.6146.



This preview shows how white text looks on a background with the XYZ color 34.3060, 35.3074,

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

34.3060, 35.3074, 99.6146

Protanopia

37.4359, 34.9899, 93.5876

Deuteranopia

36.3297, 35.3047, 99.5074



Tritanopia

25.2921, 35.2914, 54.7691

Trichromacy



Original Color

34.3060, 35.3074, 99.6146

Protanomaly

35.9951, 34.9495, 96.1156

Deuteranomaly

35.4110, 35.0894, 99.5143

Tritanomaly

27.6177, 34.7352, 68.8673

Monochromacy



Original Color

34.3060, 35.3074, 99.6146

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

28.5513, 30.8366, 51.4610

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.3060, 35.3074, 99.6146 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(76, 164, 255)` looks like.

```
.text, #text, p{  
    color:rgb(76, 164, 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(76, 164, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 164, 255) }
```

Border

The CSS property to change the border of an element to XYZ 34.3060, 35.3074, 99.6146 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(76, 164, 255) }
```


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

```
.border{ border-color:rgb(76, 164, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 164, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 164, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 164, 255);  
box-shadow:4px 4px 4px 4px rgb(76, 164,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 34.3060, 35.3074, 99.6146 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 164, 255) }
```

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

```
.background{ background-color: rgb(76, 164,  
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](#).

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