

# Converting Colors

XYZ(28.4882, 37.3899, 97.0862)

Have a look what the booklet for  
XYZ(28.4882, 37.3899, 97.0862)  
contains.

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# Color

**XYZ(34.1405, 40.4209,  
97.2694)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00B6FB
RGB	0, 182, 251
RGB Percent	0%, 71%, 98%
CMY	0.9997, 0.2863, 0.0157
CMYK	1.00, 0.27, 0.00, 0.02
HSL	196°, 100%, 49%
HSV	196°, 100%, 98%
XYZ	34.1405, 40.4209, 97.2694
YIQ	135.4480, -130.6210, -17.1250

# Conversions

## Conversions Part 2

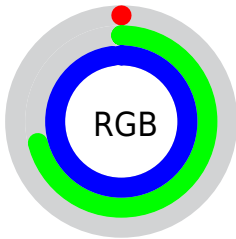
Format	Color
R <sub>YB</sub>	0, 106, 251
Decimal	46843
CIE <sub>Lab</sub>	69.77, -14.27, -44.74
CIE <sub>LCh</sub>	70, 46.963, 252.315
Y <sub>xy</sub>	40.4209, 0.1987, 0.2352
Android (android.graphics.Color)	4278236923 (0xFF00B6FB)
YUV	135.4480, 56.9671, -118.7879
Hunter-Lab	63.5774, -15.4076, -46.2057

# Details

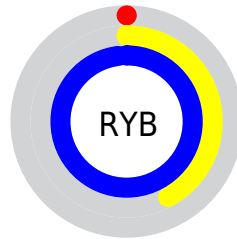
The XYZ color **34.1405, 40.4209, 97.2694** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle saturated azure. A complement of this color would be **41.9169, 24.7745, 2.5748**, and the grayscale version is **23.0335, 24.2331, 26.3898**.

A 20% lighter version of the original color is **55.3066, 71.8138, 105.5542**, and **17.5879, 19.5956, 53.8943** is the 20% darker color. If you saturate the color by 10%, you get **34.1371, 40.4137, 97.2690**, and if you desaturate by 10%, it is **35.9948, 43.5278, 97.7722**.

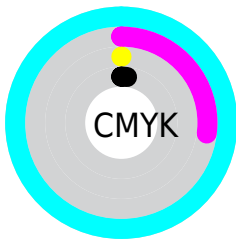
# Distribution



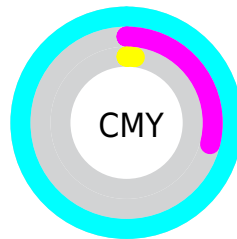
- Red (0%)
- Green (71%)
- Blue (98%)



- Red (0%)
- Yellow (42%)
- Blue (98%)



- Cyan (100%)
- Magenta (27%)
- Yellow (0%)
- Black (2%)



- Cyan (100%)
- Magenta (29%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 34.1405, 40.4209, 97.2694 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 34.1405, 40.4209, 97.2694 by changing the saturation by 10% instead.



34.1405, 40.4209,  
97.2694

34.1405, 40.4209,  
97.2694

312.3330,  
347.8944, 572.5739

23.1650, 27.8669,  
73.4179

65.4949, 75.8040,  
159.4186

14.8367, 18.2253,  
53.8239

86.6045, 99.4019,  
198.5535

8.7904, 11.1119,  
38.0687

111.8229,  
127.4498, 243.6198

4.6608, 6.1421,  
25.7337

141.5153,  
160.3322, 295.0363

2.0823, 2.9317,  
16.4006

176.0472,  
198.4335, 353.2214

0.6796, 1.0962,  
9.6506

215.7838,

0.0000, 0.0000,

242.1380, 418.5937

5.0654

261.0907,  
291.8302, 491.5716

■ 0.0000, 0.0000,  
2.2263

■ 0.0000, 0.0000,  
0.6895

■ 34.1405, 40.4209,  
97.2694

■ 34.1405, 40.4209,  
97.2694

■ 34.1371, 40.4137,  
97.2690

■ 35.9948, 43.5278,  
97.7722

■ 38.4377, 47.0424,  
98.3218

■ 41.6305, 51.0499,  
98.9271

■ 45.6709, 55.6020,  
99.5928

■ 50.6410, 60.7424,  
100.3230

■ 56.6127, 66.5095,  
101.1214

■ 63.6504, 72.9378,  
101.9913

■ 71.8129, 80.0590,  
102.9356

■ 81.1546, 87.9023,  
103.9572

# Harmonies

## Analogous

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



28.5773, 40.4209, 78.7062



34.1405, 40.4209, 97.2694



41.6271, 40.4209, 99.0047

# Triad

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



34.1405, 40.4209, 97.2694



54.5722, 40.4209, 35.6599



29.3810, 40.4209, 19.7163

# Complementary

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



34.1405, 40.4209, 97.2694



41.9169, 24.7745, 2.5748

# 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.



35.3798, 40.4209, 14.4408



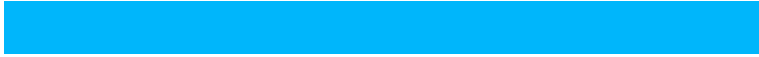
34.1405, 40.4209, 97.2694



50.2944, 40.4209, 21.3876

# Square

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



34.1405, 40.4209, 97.2694



54.1249, 40.4209, 58.0181



43.0405, 40.4209, 14.9298



26.0895, 40.4209, 32.4628



# Rectangle

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



34.1405, 40.4209, 97.2694



46.7894, 40.4209, 89.8115



43.0405, 40.4209, 14.9298



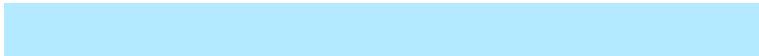
31.1113, 40.4209, 17.2342

# Sweetspot

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



34.1420, 40.4222, 97.2704



65.9377, 75.5696, 105.7189



35.5111, 69.4005, 16.8320



13.4253, 15.5552, 22.5448



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.



34.1420, 40.4222, 97.2704



35.3742, 41.8684, 100.8247



18.9582, 10.0548, 92.2092



17.3386, 18.7541, 22.0914



18.0718, 21.4991, 51.1708



1.7623, 2.1683, 4.7688



# Inverse Universe

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



48.2285, 23.8885, 46.3260



49.9845, 24.7578, 47.9777



58.7332, 58.4071, 8.1802



17.7775, 17.4383, 20.6839



25.4138, 12.5813, 24.6854

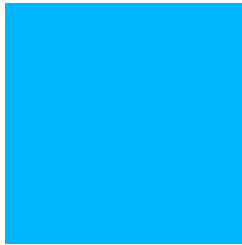


2.3984, 1.1831, 2.5216



# Previews

## White Background



This preview shows how the XYZ color 34.1405, 40.4209, 97.2694 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

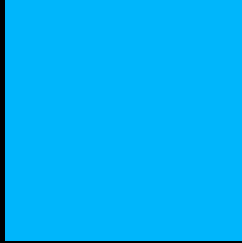
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 34.1405, 40.4209, 97.2694 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 34.1405, 40.4209, 97.2694

## Background



This preview shows how black text looks on a background with the XYZ color 34.1405, 40.4209, 97.2694.



This preview shows how white text looks on a background with the XYZ color 34.1405, 40.4209,



# 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

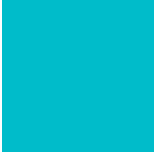
34.1405, 40.4209, 97.2694

### Protanopia

41.4313, 40.0725, 87.2124

### Deuteranopia

41.2833, 40.2775, 99.3644



## **Tritanopia**

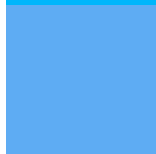
28.6439, 40.2307, 62.1327

# Trichromacy



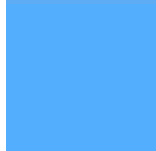
## Original Color

34.1405, 40.4209, 97.2694



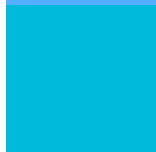
## Protanomaly

35.5463, 38.3558, 90.3239



## Deuteranomaly

36.4330, 39.2030, 98.5752



## Tritanomaly

30.4772, 40.2851, 73.8796

# Monochromacy



## Original Color

34.1405, 40.4209, 97.2694



## Achromatopsia

23.0288, 24.2281, 26.3844



## Achromatomaly

23.0018, 27.6092, 45.7118

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 34.1405, 40.4209, 97.2694 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(0, 182, 251)` looks like.

```
.text, #text, p{  
    color:rgb(0, 182, 251)  
}
```

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(0, 182, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 182, 251) }
```

## Border

The CSS property to change the border of an element to XYZ 34.1405, 40.4209, 97.2694 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(0, 182, 251) }
```



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

```
.border{ border-color:rgb(0, 182, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 182, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 182, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 182, 251);  
box-shadow:4px 4px 4px 4px rgb(0, 182,  
251) }
```

# Background

The CSS property to change the background color of an element to XYZ 34.1405, 40.4209, 97.2694 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 182, 251) }
```

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

```
.background{ background-color: rgb(0, 182,  
251) }
```

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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