

Converting Colors

XYZ(34.8798, 40.6901,
100.6234)

Have a look what the booklet for
XYZ(34.8798, 40.6901, 100.6234)
contains.

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Color

**XYZ(34.9031, 40.7404,
100.6318)**

Conversions

Conversions Part 1

Format	Color
Hex	0AB6FF
RGB	10, 182, 255
RGB Percent	4%, 71%, 100%
CMY	0.9605, 0.2863, 0.0000
CMYK	0.96, 0.29, 0.00, 0.00
HSL	198°, 100%, 52%
HSV	198°, 96%, 100%
XYZ	34.9031, 40.7404, 100.6318
YIQ	138.8940, -125.9450, -13.7610

Conversions

Conversions Part 2

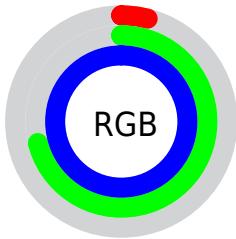
Format	Color
R _Y B	10, 111, 255
Decimal	702207
CIE Lab	69.99, -12.61, -46.55
CIE LCh	70, 48.228, 254.842
Yxy	40.7404, 0.1980, 0.2311
Android (android.graphics.Color)	4278892287 (0xFF0AB6FF)
YUV	138.8940, 57.2403, -113.0400
Hunter-Lab	63.8282, -14.0904, -48.7971

Details

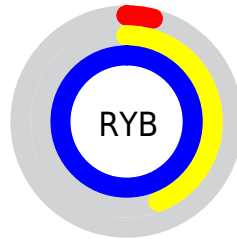
The XYZ color **34.9031, 40.7404, 100.6318** is a dark color, and the websafe version is hex **66CCFF**. The color can be described as middle saturated azure. A complement of this color would be **44.3941, 27.4799, 3.2537**, and the grayscale version is **24.3306, 25.5977, 27.8759**.

A 20% lighter version of the original color is **55.5640, 71.9465, 105.5663**, and **18.0433, 19.7777, 56.2926** is the 20% darker color. If you saturate the color by 10%, you get **34.1699, 39.4597, 100.4233**, and if you desaturate by 10%, it is **37.0902, 44.2422, 101.1925**.

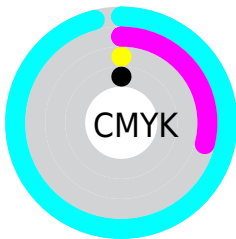
Distribution



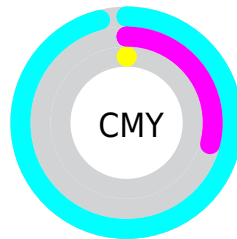
- Red (4%)
- Green (71%)
- Blue (100%)



- Red (4%)
- Yellow (44%)
- Blue (100%)



- Cyan (96%)
- Magenta (29%)
- Yellow (0%)
- Black (0%)



- Cyan (96%)
- Magenta (29%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.9031, 40.7404, 100.6318 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 34.9031, 40.7404, 100.6318 by changing the saturation by 10% instead.

■ 34.9031, 40.7404,
100.6318

■ 34.9031, 40.7404,
100.6318

315.6559,
349.2345, 583.4804

■ 23.7544, 28.1163,
76.2085

■ 66.6706, 76.2897,
164.0846

■ 15.2753, 18.4133,
56.0958

■ 88.0202, 99.9836,
203.9511

■ 9.1004, 11.2472,
39.8752

■ 113.5007,
128.1363, 249.8025

■ 4.8644, 6.2333,
27.1282

■ 143.4777,
161.1321, 302.0572

■ 2.2018, 2.9875,
17.4363

■ 178.3163,
199.3554, 361.1338

■ 0.7437, 1.1252,
10.3808

218.3820,

■ 0.0000, 0.0000,

243.1906, 427.4508

5.5433

264.0401,
293.0222, 501.4268

■ 0.0000, 0.0000,
2.5051

■ 0.0000, 0.0000,
0.8429

■ 34.9031, 40.7404,
100.6318

■ 34.9031, 40.7404,
100.6318

■ 34.1699, 39.4597,
100.4233

■ 37.0902, 44.2422,
101.1925

■ 39.9913, 48.2389,
101.8110

■ 43.7250, 52.7940,
102.4934

■ 48.3859, 57.9581,
103.2446

■ 54.0550, 63.7748,
104.0685

■ 60.8040, 70.2829,
104.9690

■ 68.6976, 77.5174,
105.9494

■ 77.7953, 85.5108,
107.0127

■ 88.1523, 94.2930,
108.1620

Harmonies

Analogous

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



28.9635, 40.7404, 82.4204



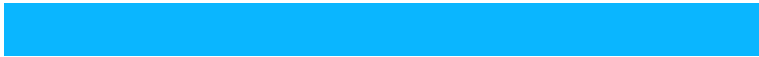
34.9031, 40.7404, 100.6318



42.7246, 40.7404, 100.7388

Triad

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



34.9031, 40.7404, 100.6318



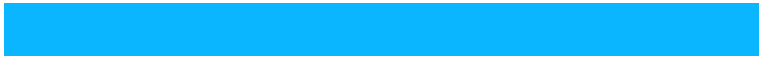
55.2478, 40.7404, 34.1695



29.0123, 40.7404, 20.2008

Complementary

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



34.9031, 40.7404, 100.6318



44.3941, 27.4799, 3.2537

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.



34.9785, 40.7404, 14.2936



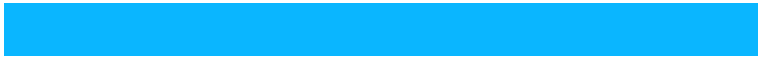
34.9031, 40.7404, 100.6318



50.4590, 40.7404, 20.3011

Square

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



34.9031, 40.7404, 100.6318



55.2203, 40.7404, 56.6688



42.8109, 40.7404, 14.3228



25.8890, 40.7404, 33.9756

Rectangle

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



34.9031, 40.7404, 100.6318



48.0156, 40.7404, 90.2161



42.8109, 40.7404, 14.3228



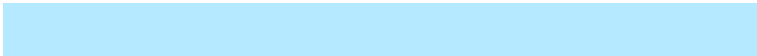
30.7133, 40.7404, 17.4723

Sweetspot

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



34.9045, 40.7417, 100.6320



66.2453, 75.3048, 105.6515



37.3146, 72.1564, 19.4482



13.4596, 15.4584, 22.5243



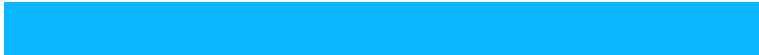
0.0000, 0.0000, 0.0000



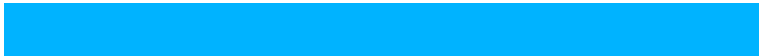
20.3446, 21.4041, 23.3091

Same Dimension

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



34.9045, 40.7417, 100.6320



34.1699, 39.4597, 100.4233



19.9615, 10.8559, 95.6510



18.0709, 19.5135, 23.0640



17.9911, 20.8918, 52.5189



1.8472, 2.2251, 5.1454

Inverse Universe

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



49.7931, 24.8562, 46.4303



49.3766, 24.5146, 44.7766



62.4000, 63.4917, 9.2556



18.5485, 18.2027, 21.5053



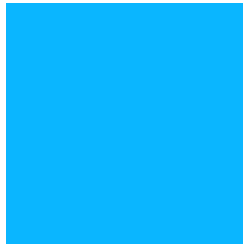
25.8693, 12.8370, 23.7598



2.5670, 1.2692, 2.5671

Previews

White Background



This preview shows how the XYZ color 34.9031, 40.7404, 100.6318 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 34.9031, 40.7404, 100.6318 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

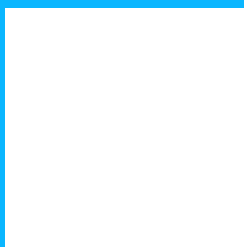
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.9031, 40.7404, 100.6318

Background



This preview shows how black text looks on a background with the XYZ color 34.9031, 40.7404, 100.6318.



This preview shows how white text looks on a background with the XYZ color 34.9031, 40.7404,

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

34.9031, 40.7404, 100.6318

Protanopia

41.8504, 40.2195, 90.3514

Deuteranopia

41.2912, 40.2631, 100.2030



Tritanopia

28.9771, 40.7070, 62.8299

Trichromacy



Original Color

34.9031, 40.7404, 100.6318



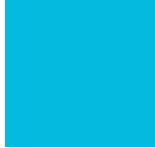
Protanomaly

36.4708, 38.7618, 93.5553



Deuteranomaly

37.0238, 39.4705, 100.2750



Tritanomaly

30.7938, 40.4175, 75.2856

Monochromacy



Original Color

34.9031, 40.7404, 100.6318



Achromatopsia

24.5403, 25.8183, 28.1161



Achromatomaly

24.4755, 29.0542, 48.0341

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.9031, 40.7404, 100.6318 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(10, 182, 255)` looks like.

```
.text, #text, p{  
    color:rgb(10, 182, 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(10, 182, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 182, 255) }
```

Border

The CSS property to change the border of an element to XYZ 34.9031, 40.7404, 100.6318 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(10, 182, 255) }
```


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

```
.border{ border-color:rgb(10, 182, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(10, 182, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 182, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 182, 255);  
box-shadow:4px 4px 4px 4px rgb(10, 182,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 34.9031, 40.7404, 100.6318 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 182, 255) }
```

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

```
.background{ background-color: rgb(10, 182,  
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](#).

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