

Converting Colors

XYZ(34.5310, 40.8345, 98.5317)

Have a look what the booklet for
XYZ(34.5310, 40.8345, 98.5317)
contains.

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Color

**XYZ(34.5042, 40.8952,
98.1705)**

Conversions

Conversions Part 1

Format	Color
Hex	00B7FC
RGB	0, 183, 252
RGB Percent	0%, 72%, 99%
CMY	0.9997, 0.2823, 0.0118
CMYK	1.00, 0.27, 0.00, 0.01
HSL	196°, 100%, 49%
HSV	196°, 100%, 99%
XYZ	34.5042, 40.8952, 98.1705
YIQ	136.1490, -131.2170, -17.3370

Conversions

Conversions Part 2

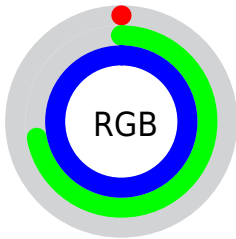
Format	Color
R _{YB}	0, 106, 252
Decimal	47100
CIE Lab	70.10, -14.45, -44.76
CIE LCh	70, 47.035, 252.109
Yxy	40.8952, 0.1988, 0.2356
Android (android.graphics.Color)	4278237180 (0xFF00B7FC)
YUV	136.1490, 57.1145, -119.4027
Hunter-Lab	63.9494, -15.6008, -46.2532

Details

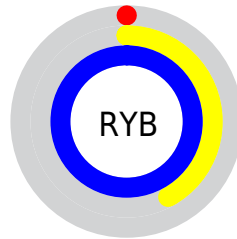
The XYZ color **34.5042, 40.8952, 98.1705** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle saturated azure. A complement of this color would be **42.2787, 24.9617, 2.5920**, and the grayscale version is **23.2948, 24.5080, 26.6892**.

A 20% lighter version of the original color is **55.5986, 72.3977, 105.6516**, and **17.8330, 19.9054, 54.5320** is the 20% darker color. If you saturate the color by 10%, you get **34.5002, 40.8871, 98.1700**, and if you desaturate by 10%, it is **36.3713, 44.0239, 98.6768**.

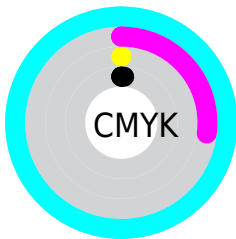
Distribution



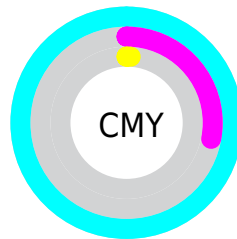
- Red (0%)
- Green (72%)
- Blue (99%)



- Red (0%)
- Yellow (42%)
- Blue (99%)



- Cyan (100%)
- Magenta (27%)
- Yellow (0%)
- Black (1%)



- Cyan (100%)
- Magenta (28%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.5042, 40.8952, 98.1705 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 34.5042, 40.8952, 98.1705 by changing the saturation by 10% instead.

■ 34.5042, 40.8952,
98.1705

■ 34.5042, 40.8952,
98.1705

313.9209,
349.8824, 575.5075

■ 23.4459, 28.2372,
74.1652

■ 66.0561, 76.5248,
160.6706

■ 15.0456, 18.5045,
54.4316

■ 87.2804, 100.2652,
200.0025

■ 8.9379, 11.3128,
38.5513

■ 112.6241,
128.4684, 245.2804

■ 4.7575, 6.2777,
26.1057

■ 142.4525,
161.5190, 296.9227

■ 2.1390, 3.0146,
16.6763

■ 177.1311,
199.8013, 355.3480

■ 0.7103, 1.1394,
9.8444

217.0251,

■ 0.0000, 0.0113,

243.6997, 420.9749

5.1917

262.4999,
293.5986, 494.2219

■ 0.0000, 0.0000,
2.2995

■ 0.0000, 0.0000,
0.7309

■ 34.5042, 40.8952,
98.1705

■ 34.5042, 40.8952,
98.1705

■ 34.5002, 40.8871,
98.1700

■ 36.3713, 44.0239,
98.6768

■ 38.8322, 47.5631,
99.2303

■ 42.0495, 51.5988,
99.8397

■ 46.1217, 56.1831,
100.5099

■ 51.1319, 61.3602,
101.2451

■ 57.1525, 67.1687,
102.0490

■ 64.2486, 73.6436,
102.9247

■ 72.4796, 80.8167,
103.8755

■ 81.9005, 88.7176,
104.9039

Harmonies

Analogous

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



28.9046, 40.8952, 79.3650



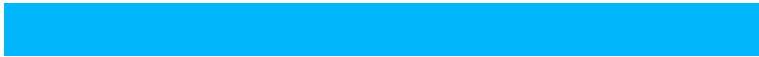
34.5042, 40.8952, 98.1705



42.0530, 40.8952, 100.0539

Triad

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



34.5042, 40.8952, 98.1705



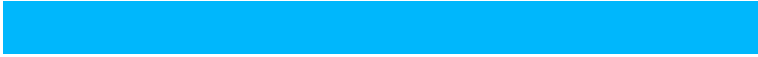
55.1837, 40.8952, 36.2262



29.7783, 40.8952, 19.9311

Complementary

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



34.5042, 40.8952, 98.1705



42.2787, 24.9617, 2.5920

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.



35.8511, 40.8952, 14.6414



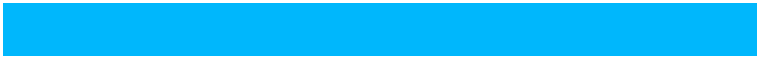
34.5042, 40.8952, 98.1705



50.8963, 40.8952, 21.7500

Square

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



34.5042, 40.8952, 98.1705



54.6978, 40.8952, 58.8365



43.5886, 40.8952, 15.1741



26.4339, 40.8952, 32.7504

Rectangle

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



34.5042, 40.8952, 98.1705



47.2660, 40.8952, 90.8598



43.5886, 40.8952, 15.1741



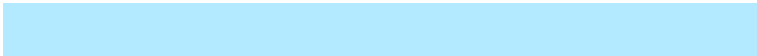
31.5317, 40.8952, 17.4383

Sweetspot

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



34.5057, 40.8966, 98.1715



65.9613, 75.6168, 105.7267



35.8326, 70.0304, 16.9795



13.4310, 15.5665, 22.5467



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.



34.5057, 40.8966, 98.1715



35.4320, 41.9839, 100.8440



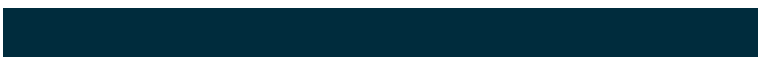
19.1287, 10.1425, 93.0459



17.3403, 18.7574, 22.0919



18.1008, 21.5572, 51.1805



1.7648, 2.1732, 4.7696

Inverse Universe

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



48.6936, 24.1163, 46.8892



50.0136, 24.7694, 48.1312



59.2642, 58.9328, 8.2539



17.7783, 17.4387, 20.6883



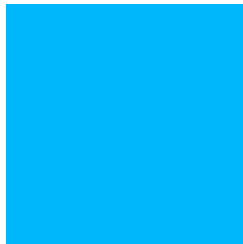
25.4285, 12.5871, 24.7625



2.3997, 1.1836, 2.5282

Previews

White Background



This preview shows how the XYZ color 34.5042, 40.8952, 98.1705 looks on a white background.

Color Contrast Check

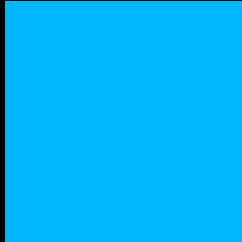
Large Text (above 18pt) WCAG AA × Fail

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 34.5042, 40.8952, 98.1705 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

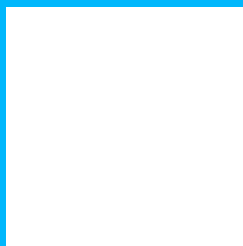
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.5042, 40.8952, 98.1705

Background



This preview shows how black text looks on a background with the XYZ color 34.5042, 40.8952, 98.1705.

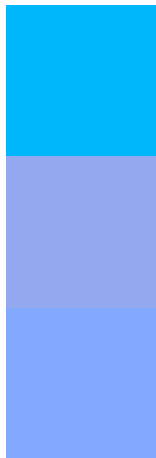


This preview shows how white text looks on a background with the XYZ color 34.5042, 40.8952,

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

34.5042, 40.8952, 98.1705

Protanopia

41.9436, 40.5924, 88.0625

Deuteranopia

41.5980, 40.4212, 100.2174



Tritanopia

28.9771, 40.7070, 62.8299

Trichromacy



Original Color

34.5042, 40.8952, 98.1705

Protanomaly

35.8888, 38.7985, 91.1853

Deuteranomaly

36.5927, 39.2669, 99.4166

Tritanomaly

30.8215, 40.7611, 74.6498

Monochromacy



Original Color

34.5042, 40.8952, 98.1705

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

23.3576, 28.0231, 46.2974

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.5042, 40.8952, 98.1705 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, 183, 252)` looks like.

```
.text, #text, p{  
    color:rgb(0, 183, 252)  
}
```

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, 183, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 183, 252) }
```

Border

The CSS property to change the border of an element to XYZ 34.5042, 40.8952, 98.1705 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, 183, 252) }
```


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

```
.border{ border-color:rgb(0, 183, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 183, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 183, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 183, 252);  
box-shadow:4px 4px 4px 4px rgb(0, 183,  
252) }
```

Background

The CSS property to change the background color of an element to XYZ 34.5042, 40.8952, 98.1705 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 183, 252) }
```

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

```
.background{ background-color: rgb(0, 183,  
252) }
```

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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