

Converting Colors

XYZ(34.2180, 40.8525, 96.4421)

Have a look what the booklet for
XYZ(34.2180, 40.8525, 96.4421)
contains.

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Color

**XYZ(34.1888, 40.7691,
96.5098)**

Conversions

Conversions Part 1

Format	Color
Hex	00B7FA
RGB	0, 183, 250
RGB Percent	0%, 72%, 98%
CMY	0.9997, 0.2823, 0.0196
CMYK	1.00, 0.27, 0.00, 0.02
HSL	196°, 100%, 49%
HSV	196°, 100%, 98%
XYZ	34.1888, 40.7691, 96.5098
YIQ	135.9210, -130.5750, -17.9590

Conversions

Conversions Part 2

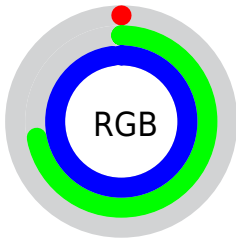
Format	Color
RYB	0, 106, 250
Decimal	47098
CIELab	70.01, -15.16, -43.82
CIELCh	70, 46.365, 250.918
Yxy	40.7691, 0.1994, 0.2378
Android (android.graphics.Color)	4278237178 (0xFF00B7FA)
YUV	135.9210, 56.2409, -119.2027
Hunter-Lab	63.8507, -16.1610, -44.9209

Details

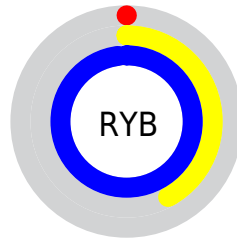
The XYZ color **34.1888, 40.7691, 96.5098** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle saturated azure. A complement of this color would be **41.4365, 24.3471, 2.5176**, and the grayscale version is **23.2120, 24.4209, 26.5943**.

A 20% lighter version of the original color is **55.5986, 72.3977, 105.6516**, and **17.6083, 19.8155, 53.3488** is the 20% darker color. If you saturate the color by 10%, you get **34.1854, 40.7621, 96.5095**, and if you desaturate by 10%, it is **36.0075, 43.8085, 97.0015**.

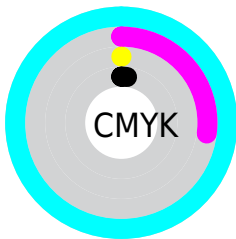
Distribution



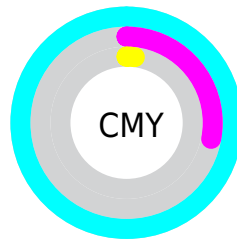
- Red (0%)
- Green (72%)
- Blue (98%)



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



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



- Cyan (100%)
- Magenta (28%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.1888, 40.7691, 96.5098 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 34.1888, 40.7691, 96.5098 by changing the saturation by 10% instead.

■ 34.1888, 40.7691,
96.5098

■ 34.1888, 40.7691,
96.5098

312.5442,
349.3546, 570.0946

■ 23.2023, 28.1387,
72.7884

■ 65.5695, 76.3333,
158.3623

■ 14.8644, 18.4302,
53.3122

■ 86.6944, 100.0358,
197.3305

■ 8.8100, 11.2593,
37.6626

■ 111.9294,
128.1979, 242.2180

■ 4.6736, 6.2415,
25.4211

■ 141.6399,
161.2038, 293.4434

■ 2.0898, 2.9925,
16.1692

■ 176.1913,
199.4381, 351.4252

■ 0.6837, 1.1278,
9.4883

215.9489,

■ 0.0000, 0.0015,

243.2851, 416.5820

4.9599

261.2781,
293.1291, 489.3322

■ 0.0000, 0.0000,
2.1654

■ 0.0000, 0.0000,
0.6543

■ 34.1888, 40.7691,
96.5098

■ 34.1888, 40.7691,
96.5098

■ 34.1854, 40.7621,
96.5095

■ 36.0075, 43.8085,
97.0015

■ 38.4060, 47.2453,
97.5384

■ 41.5441, 51.1636,
98.1293

■ 45.5186, 55.6147,
98.7790

■ 50.4105, 60.6417,
99.4915

■ 56.2911, 66.2823,
100.2703

■ 63.2241, 72.5708,
101.1187

■ 71.2676, 79.5382,
102.0396

■ 80.4755, 87.2134,
103.0357

Harmonies

Analogous

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



28.7697, 40.7691, 77.6271



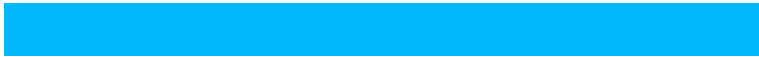
34.1888, 40.7691, 96.5098



41.5692, 40.7691, 99.1072

Triad

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



34.1888, 40.7691, 96.5098



54.8493, 40.7691, 36.9621



29.9863, 40.7691, 19.7764

Complementary

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



34.1888, 40.7691, 96.5098



41.4365, 24.3471, 2.5176

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.



36.0608, 40.7691, 14.7746



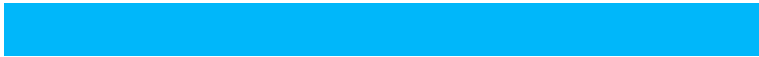
34.1888, 40.7691, 96.5098



50.8062, 40.7691, 22.3231

Square

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



34.1888, 40.7691, 96.5098



54.1768, 40.7691, 59.4405



43.6994, 40.7691, 15.5236



26.5704, 40.7691, 32.1231

Rectangle

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



34.1888, 40.7691, 96.5098



46.7100, 40.7691, 90.5471



43.6994, 40.7691, 15.5236



31.7496, 40.7691, 17.3954

Sweetspot

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



34.1903, 40.7705, 96.5108



66.0883, 75.8707, 105.7690



35.1916, 68.7742, 16.6862



13.4615, 15.6274, 22.5569



0.0000, 0.0000, 0.0000



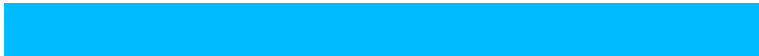
20.3446, 21.4041, 23.3091

Same Dimension

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



34.1903, 40.7705, 96.5108



35.7444, 42.6088, 100.9481



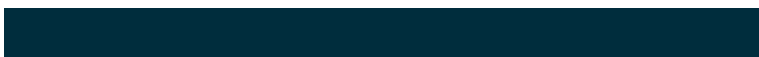
18.7891, 9.9681, 91.3771



17.3492, 18.7752, 22.0949



18.2577, 21.8710, 51.2328



1.7782, 2.2002, 4.7741

Inverse Universe

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



47.9730, 23.7447, 46.8556



50.1713, 24.8325, 48.9616



58.2055, 57.8851, 8.1072



17.7828, 17.4405, 20.7119



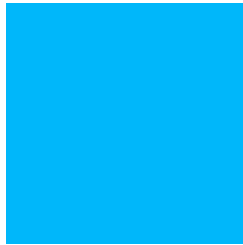
25.5077, 12.6188, 25.1796



2.4065, 1.1863, 2.5640

Previews

White Background



This preview shows how the XYZ color 34.1888, 40.7691, 96.5098 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 34.1888, 40.7691, 96.5098 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

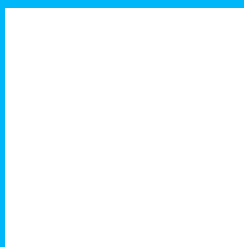
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.1888, 40.7691, 96.5098

Background



This preview shows how black text looks on a background with the XYZ color 34.1888, 40.7691, 96.5098.



This preview shows how white text looks on a background with the XYZ color 34.1888, 40.7691,

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

34.1888, 40.7691, 96.5098

Protanopia

41.6458, 40.2000, 86.4533

Deuteranopia

41.5905, 40.4543, 98.5449



Tritanopia

28.9771, 40.7070, 62.8299

Trichromacy



Original Color

34.1888, 40.7691, 96.5098

Protanomaly

35.6899, 38.7308, 89.5991

Deuteranomaly

36.4531, 39.2317, 97.7466

Tritanomaly

30.6886, 40.7080, 73.9501

Monochromacy



Original Color

34.1888, 40.7691, 96.5098

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

23.2575, 27.9830, 45.7704

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.1888, 40.7691, 96.5098 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, 250)` looks like.

```
.text, #text, p{  
    color:rgb(0, 183, 250)  
}
```

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, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 183, 250) }
```

Border

The CSS property to change the border of an element to XYZ 34.1888, 40.7691, 96.5098 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, 250) }
```


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

```
.border{ border-color:rgb(0, 183, 250) }
```

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, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 183, 250); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 183, 250); box-shadow:4px 4px 4px 4px rgb(0, 183, 250) }
```

Background

The CSS property to change the background color of an element to XYZ 34.1888, 40.7691, 96.5098 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, 250) }
```

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

```
.background{ background-color: rgb(0, 183,  
250) }
```

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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