

Converting Colors

XYZ(35.9871, 41.9165,
100.7034)

Have a look what the booklet for
XYZ(35.9871, 41.9165, 100.7034)
contains.

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Color

**XYZ(35.9898, 41.9130,
100.8009)**

Conversions

Conversions Part 1

Format	Color
Hex	26B8FF
RGB	38, 184, 255
RGB Percent	15%, 72%, 100%
CMY	0.8509, 0.2784, 0.0000
CMYK	0.85, 0.28, 0.00, 0.00
HSL	200°, 100%, 57%
HSV	200°, 85%, 100%
XYZ	35.9898, 41.9130, 100.8009
YIQ	148.4400, -109.8070, -8.8710

Conversions

Conversions Part 2

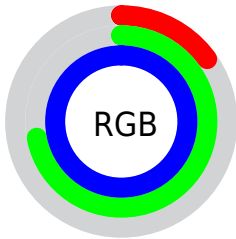
Format	Color
R _Y B	38, 125, 255
Decimal	2537727
CIE Lab	70.81, -12.46, -45.25
CIE LCh	71, 46.933, 254.610
Yxy	41.9130, 0.2014, 0.2345
Android (android.graphics.Color)	4280727807 (0xFF26B8FF)
YUV	148.4400, 52.5341, -96.8559
Hunter-Lab	64.7403, -14.0654, -46.9967

Details

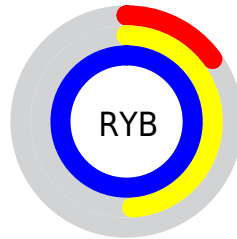
The XYZ color **35.9898, 41.9130, 100.8009** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed azure. A complement of this color would be **47.0615, 32.3425, 5.5982**, and the grayscale version is **28.1558, 29.6221, 32.2585**.

A 20% lighter version of the original color is **57.2361, 73.6778, 105.8123**, and **18.3093, 20.3098, 56.3813** is the 20% darker color. If you saturate the color by 10%, you get **33.6674, 38.2187, 100.2102**, and if you desaturate by 10%, it is **39.0594, 46.1456, 101.4561**.

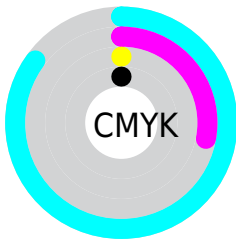
Distribution



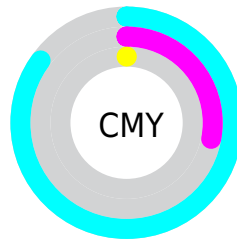
- Red (15%)
- Green (72%)
- Blue (100%)



- Red (15%)
- Yellow (49%)
- Blue (100%)



- Cyan (85%)
- Magenta (28%)
- Yellow (0%)
- Black (0%)



- Cyan (85%)
- Magenta (28%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.9898, 41.9130, 100.8009 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 35.9898, 41.9130, 100.8009 by changing the saturation by 10% instead.

■ 35.9898, 41.9130,
100.8009

■ 35.9898, 41.9130,
100.8009

320.3480,
354.1222, 584.0260

■ 24.5964, 29.0332,
76.3490

■ 68.3403, 78.0679,
164.3188

■ 15.9037, 19.1059,
56.2103

■ 90.0281, 102.1118,
204.2219

■ 9.5465, 11.7468,
39.9665

■ 115.8781,
130.6459, 250.1124

■ 5.1593, 6.5715,
27.1988

■ 146.2556,
164.0545, 302.4090

■ 2.3767, 3.1956,
17.4888

■ 181.5260,
202.7220, 361.5301

■ 0.8335, 1.2347,
10.4180

222.0546,

■ 0.0000, 0.0898,

247.0329, 427.8942

5.5678

268.2068,
297.3715, 501.9200

■ 0.0000, 0.0000,
2.5196

■ 0.0000, 0.0000,
0.8505

■ 35.9898, 41.9130,
100.8009

■ 35.9898, 41.9130,
100.8009

■ 33.6674, 38.2187,
100.2102

■ 39.0594, 46.1456,
101.4561

■ 32.7187, 36.5575,
99.9396

■ 42.9868, 50.9741,
102.1811

■ 47.8669, 56.4505,
102.9809

■ 53.7801, 62.6186,
103.8598

■ 60.7976, 69.5177,
104.8216

■ 68.9841, 77.1832,
105.8697

■ 78.3990, 85.6481,
107.0074

■ 89.0974, 94.9430,
108.2376

■ 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.



30.0902, 41.9130, 82.9110



35.9898, 41.9130, 100.8009



43.7389, 41.9130, 101.0578

Triad

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



35.9898, 41.9130, 100.8009



56.1740, 41.9130, 35.6416



30.2101, 41.9130, 21.3888

Complementary

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



35.9898, 41.9130, 100.8009



47.0615, 32.3425, 5.5982

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.



36.1744, 41.9130, 15.4243



35.9898, 41.9130, 100.8009



51.4897, 41.9130, 21.6392

Square

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



35.9898, 41.9130, 100.8009



56.1076, 41.9130, 58.0038



43.9491, 41.9130, 15.4979



27.0619, 41.9130, 35.1647

Rectangle

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



35.9898, 41.9130, 100.8009



48.9720, 41.9130, 90.8723



43.9491, 41.9130, 15.4979



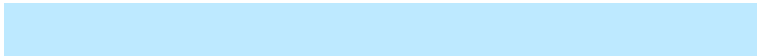
31.9152, 41.9130, 18.6373

Sweetspot

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



35.9912, 41.9143, 100.8011



68.1874, 76.4514, 105.7705



39.2002, 72.9885, 25.8589



13.9670, 15.7817, 22.5600



0.0000, 0.0000, 0.0000



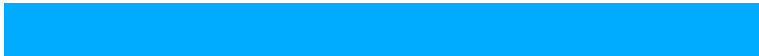
20.3446, 21.4041, 23.3091

Same Dimension

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



35.9912, 41.9143, 100.8011



32.7187, 36.5575, 99.9396



21.5608, 13.0536, 95.9910



18.0246, 19.4207, 23.0485



17.2383, 19.3861, 52.2679



1.7782, 2.0871, 5.1224

Inverse Universe

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



50.5859, 26.1087, 47.7217



48.6441, 24.2216, 40.9195



65.9471, 70.1138, 11.8934



18.5250, 18.1933, 21.3820



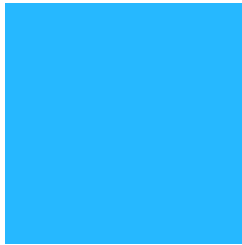
25.4893, 12.6850, 21.7588



2.5322, 1.2552, 2.3837

Previews

White Background



This preview shows how the XYZ color 35.9898, 41.9130, 100.8009 looks on a white background.

Color Contrast Check

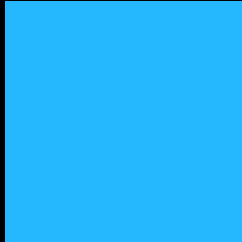
Large Text (above 18pt) WCAG AA × Fail

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 35.9898, 41.9130, 100.8009 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

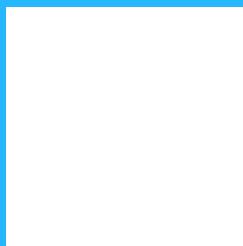
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.9898, 41.9130, 100.8009

Background



This preview shows how black text looks on a background with the XYZ color 35.9898, 41.9130, 100.8009.



This preview shows how white text looks on a background with the XYZ color 35.9898, 41.9130,

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

35.9898, 41.9130, 100.8009

Protanopia

42.7601, 41.2366, 90.4998

Deuteranopia

42.4444, 41.4142, 100.3644



Tritanopia

29.7714, 41.7178, 64.8758

Trichromacy



Original Color

35.9898, 41.9130, 100.8009

Protanomaly

38.2312, 40.2387, 93.7475

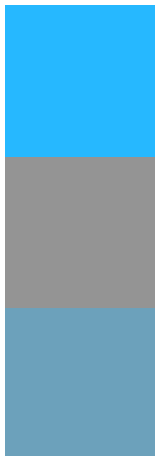
Deuteranomaly

38.7209, 40.9233, 100.4659

Tritanomaly

31.6189, 41.4416, 76.8536

Monochromacy



Original Color

35.9898, 41.9130, 100.8009

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

27.8989, 32.2657, 51.7712

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.9898, 41.9130, 100.8009 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(38, 184, 255)` looks like.

```
.text, #text, p{  
    color:rgb(38, 184, 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(38, 184, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 184, 255) }
```

Border

The CSS property to change the border of an element to XYZ 35.9898, 41.9130, 100.8009 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(38, 184, 255) }
```


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

```
.border{ border-color:rgb(38, 184, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 184, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 184, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 184, 255);  
box-shadow:4px 4px 4px 4px rgb(38, 184,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 35.9898, 41.9130, 100.8009 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 184, 255) }
```

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

```
.background{ background-color: rgb(38, 184,  
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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