

Converting Colors

XYZ(15.8337, 31.7394, 98.5422)

Have a look what the booklet for
XYZ(15.8337, 31.7394, 98.5422)
contains.

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Color

**XYZ(35.0786, 41.7898,
99.1459)**

Conversions

Conversions Part 1

Format	Color
Hex	00B9FD
RGB	0, 185, 253
RGB Percent	0%, 73%, 99%
CMY	0.9997, 0.2745, 0.0078
CMYK	1.00, 0.27, 0.00, 0.01
HSL	196°, 100%, 50%
HSV	196°, 100%, 99%
XYZ	35.0786, 41.7898, 99.1459
YIQ	137.4370, -132.0880, -18.0720

Conversions

Conversions Part 2

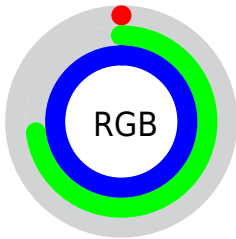
Format	Color
RYB	0, 107, 253
Decimal	47613
CIELab	70.73, -15.17, -44.32
CIELCh	71, 46.847, 251.109
Yxy	41.7898, 0.1993, 0.2374
Android (android.graphics.Color)	4278237693 (0xFF00B9FD)
YUV	137.4370, 56.9726, -120.5322
Hunter-Lab	64.6450, -16.2686, -45.6814

Details

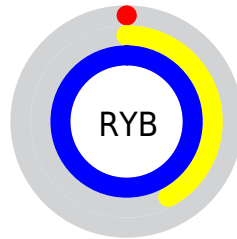
The XYZ color **35.0786, 41.7898, 99.1459** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle saturated azure. A complement of this color would be **42.5804, 25.0262, 2.5885**, and the grayscale version is **23.7790, 25.0174, 27.2439**.

A 20% lighter version of the original color is **56.3153, 73.6413, 105.8538**, and **18.2151, 20.4881, 55.2191** is the 20% darker color. If you saturate the color by 10%, you get **35.0750, 41.7822, 99.1455**, and if you desaturate by 10%, it is **36.9466, 44.9166, 99.6519**.

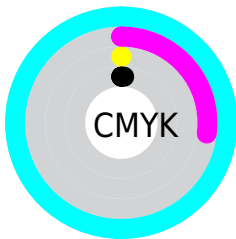
Distribution



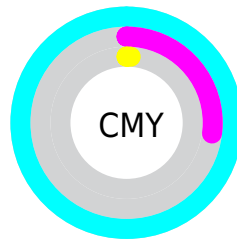
- Red (0%)
- Green (73%)
- Blue (99%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.0786, 41.7898, 99.1459 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 35.0786, 41.7898, 99.1459 by changing the saturation by 10% instead.

■ 35.0786, 41.7898,
99.1459

■ 35.0786, 41.7898,
99.1459

316.4171,
353.6108, 578.6741

■ 23.8902, 28.9367,
74.9745

■ 66.9407, 77.8814,
162.0246

■ 15.3765, 19.0330,
55.0904

■ 88.3452, 101.8887,
201.5690

■ 9.1721, 11.6941,
39.0750

■ 113.8858,
130.3829, 247.0748

■ 4.9116, 6.5357,
26.5098

■ 143.9277,
163.7484, 298.9606

■ 2.2297, 3.1735,
16.9763

■ 178.8365,
202.3695, 357.6449

■ 0.7583, 1.2230,
10.0558

218.9774,

■ 0.0000, 0.0803,

246.6307, 423.5462

5.3299

264.7158,
296.9163, 497.0831

■ 0.0000, 0.0000,
2.3800

■ 0.0000, 0.0000,
0.7755

■ 35.0786, 41.7898,
99.1459

■ 35.0786, 41.7898,
99.1459

■ 35.0750, 41.7822,
99.1455

■ 36.9466, 44.9166,
99.6519

■ 39.4116, 48.4530,
100.2045

■ 42.6374, 52.4854,
100.8129

■ 46.7235, 57.0665,
101.4817

■ 51.7537, 62.2406,
102.2153

■ 57.8012, 68.0467,
103.0173

■ 64.9316, 74.5201,
103.8909

■ 73.2048, 81.6927,
104.8393

■ 82.6763, 89.5944,
105.8653

Harmonies

Analogous

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



29.4974, 41.7898, 79.8118



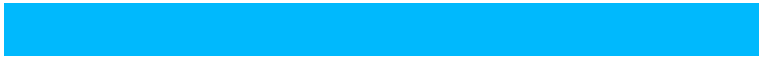
35.0786, 41.7898, 99.1459



42.6673, 41.7898, 101.6922

Triad

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



35.0786, 41.7898, 99.1459



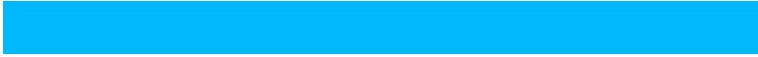
56.2492, 41.7898, 37.7490



30.6882, 41.7898, 20.2865

Complementary

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



35.0786, 41.7898, 99.1459



42.5804, 25.0262, 2.5885

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.



36.9115, 41.7898, 15.1153



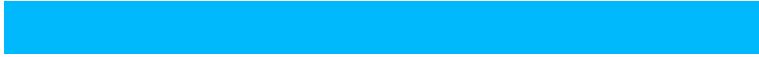
35.0786, 41.7898, 99.1459



52.0674, 41.7898, 22.7772

Square

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



35.0786, 41.7898, 99.1459



55.5903, 41.7898, 60.8008



44.7536, 41.7898, 15.8474



27.2001, 41.7898, 33.0124

Rectangle

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



35.0786, 41.7898, 99.1459



47.9459, 41.7898, 92.8196



44.7536, 41.7898, 15.8474



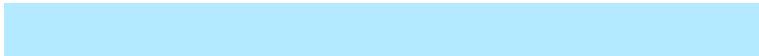
32.4932, 41.7898, 17.8290

Sweetspot

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



35.0801, 41.7912, 99.1470



66.0713, 75.8367, 105.7634



36.1554, 70.6632, 17.1265



13.4574, 15.6193, 22.5555



0.0000, 0.0000, 0.0000



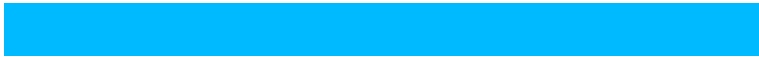
20.3446, 21.4041, 23.3091

Same Dimension

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



35.0801, 41.7912, 99.1470



35.7025, 42.5249, 100.9342



19.2994, 10.2297, 93.8867



18.1175, 19.6067, 23.0795



18.7851, 22.4799, 52.7836



1.9193, 2.3694, 5.1694

Inverse Universe

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



49.2664, 24.3873, 48.0107



50.1501, 24.8241, 48.8502



59.7973, 59.4599, 8.3274



18.5720, 18.2121, 21.6292



26.2701, 12.9973, 25.8704



2.6034, 1.2837, 2.7589

Previews

White Background



This preview shows how the XYZ color 35.0786, 41.7898, 99.1459 looks on a white background.

Color Contrast Check

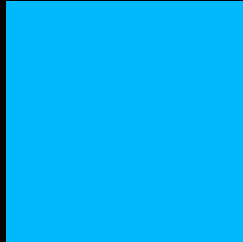
Large Text (above 18pt) WCAG AA × Fail

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 35.0786, 41.7898, 99.1459 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 35.0786, 41.7898, 99.1459

Background



This preview shows how black text looks on a background with the XYZ color 35.0786, 41.7898, 99.1459.



This preview shows how white text looks on a background with the XYZ color 35.0786, 41.7898,

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

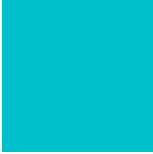
35.0786, 41.7898, 99.1459

Protanopia

42.4938, 41.1512, 88.1414

Deuteranopia

42.6046, 41.4967, 100.3719



Tritanopia

29.6502, 41.6694, 64.2379

Trichromacy



Original Color

35.0786, 41.7898, 99.1459

Protanomaly

36.5307, 39.6854, 92.1209

Deuteranomaly

37.2525, 40.1849, 99.5590

Tritanomaly

31.3824, 41.6691, 75.4962

Monochromacy



Original Color

35.0786, 41.7898, 99.1459

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

23.6228, 28.3921, 46.8830

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.0786, 41.7898, 99.1459 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, 185, 253)` looks like.

```
.text, #text, p{  
    color:rgb(0, 185, 253)  
}
```

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, 185, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 185, 253) }
```

Border

The CSS property to change the border of an element to XYZ 35.0786, 41.7898, 99.1459 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, 185, 253) }
```


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

```
.border{ border-color:rgb(0, 185, 253) }
```

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

Here you see how a box with a 4 pixel rgb(0, 185, 253) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 185, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 185, 253);  
box-shadow:4px 4px 4px 4px rgb(0, 185,  
253) }
```

Background

The CSS property to change the background color of an element to XYZ 35.0786, 41.7898, 99.1459 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 185, 253) }
```

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

```
.background{ background-color: rgb(0, 185,  
253) }
```

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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