

Converting Colors

XYZ(40.1456, 50.0654,
102.1554)

Have a look what the booklet for
XYZ(40.1456, 50.0654, 102.1554)
contains.

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Color

**XYZ(40.0850, 49.9325,
102.1330)**

Conversions

Conversions Part 1

Format	Color
Hex	29CAFF
RGB	41, 202, 255
RGB Percent	16%, 79%, 100%
CMY	0.8391, 0.2078, 0.0000
CMYK	0.84, 0.21, 0.00, 0.00
HSL	195°, 100%, 58%
HSV	195°, 84%, 100%
XYZ	40.0850, 49.9325, 102.1330
YIQ	159.9030, -112.9690, -17.6490

Conversions

Conversions Part 2

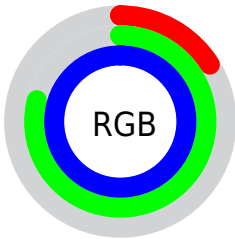
Format	Color
R _Y B	41, 133, 255
Decimal	2738943
CIE Lab	76.03, -21.71, -37.11
CIE LCh	76, 42.995, 239.669
Yxy	49.9325, 0.2086, 0.2599
Android (android.graphics.Color)	4280929023 (0xFF29CAFF)
YUV	159.9030, 46.8828, -104.2779
Hunter-Lab	70.6629, -22.4023, -36.2310

Details

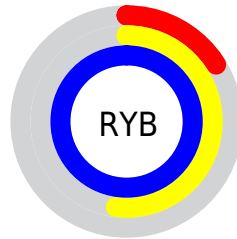
The XYZ color **40.0850, 49.9325, 102.1330** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **45.6453, 29.4295, 5.3747**, and the grayscale version is **33.2010, 34.9300, 38.0388**.

A 20% lighter version of the original color is **62.2674, 83.1000, 107.3658**, and **20.7829, 25.2570, 57.2058** is the 20% darker color. If you saturate the color by 10%, you get **37.9250, 46.6647, 101.6161**, and if you desaturate by 10%, it is **42.9658, 53.6637, 102.7013**.

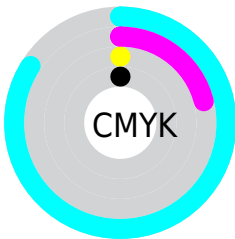
Distribution



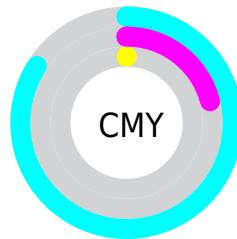
- Red (16%)
- Green (79%)
- Blue (100%)



- Red (16%)
- Yellow (52%)
- Blue (100%)



- Cyan (84%)
- Magenta (21%)
- Yellow (0%)
- Black (0%)



- Cyan (84%)
- Magenta (21%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.0850, 49.9325, 102.1330 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 40.0850, 49.9325, 102.1330 by changing the saturation by 10% instead.

40.0850, 49.9325,
102.1330

40.0850, 49.9325,
102.1330

337.6100,
386.4019, 588.3148

27.7893, 35.3598,
77.4563

74.5764, 90.0749,
166.1627

18.3066, 23.9401,
57.1137

97.5029, 116.4133,
206.3528

11.2713, 15.2892,
40.6865

124.7037,
147.4424, 252.5511

6.3183, 9.0226,
27.7564

156.5442,
183.5465, 305.1762

3.0820, 4.7559,
17.9047

193.3897,
225.1102, 364.6466

1.1973, 2.1048,
10.7128

235.6056,

0.1042, 0.6673,

272.5177, 431.3807

5.7623

283.5573,
326.1535, 505.7973

■ 0.0000, 0.0000,
2.6347

■ 0.0000, 0.0000,
0.9103

■ 40.0850, 49.9325,
102.1330

■ 40.0850, 49.9325,
102.1330

■ 37.9250, 46.6647,
101.6161

■ 42.9658, 53.6637,
102.7013

■ 36.8649, 44.8498,
101.3216

■ 46.6734, 57.9113,
103.3258

■ 51.3000, 62.7248,
104.0110

■ 56.9237, 68.1455,
104.7609

■ 63.6141, 74.2102,
105.5789

■ 71.4342, 80.9523,
106.4681

■ 80.4420, 88.4028,
107.4314

■ 90.6913, 96.5904,
108.4716

■ 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.



35.2735, 49.9325, 79.3107



40.0850, 49.9325, 102.1330



47.3703, 49.9325, 111.6215

Triad

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



40.0850, 49.9325, 102.1330



64.6244, 49.9325, 54.6235



40.2230, 49.9325, 24.2977

Complementary

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



40.0850, 49.9325, 102.1330



45.6453, 29.4295, 5.3747

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.



47.5485, 49.9325, 21.0660



40.0850, 49.9325, 102.1330



62.1709, 49.9325, 35.2941

Square

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



40.0850, 49.9325, 102.1330



62.0643, 49.9325, 79.8803



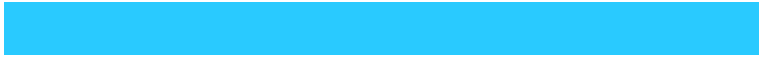
55.6868, 49.9325, 24.4471



35.3467, 49.9325, 34.9639

Rectangle

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



40.0850, 49.9325, 102.1330



52.8455, 49.9325, 107.5085



55.6868, 49.9325, 24.4471



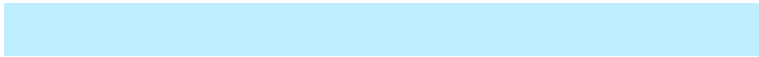
42.4522, 49.9325, 22.4662

Sweetspot

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



40.0865, 49.9342, 102.1332



70.5269, 80.1851, 106.3678



38.5616, 72.7464, 21.8957



14.4888, 16.6447, 22.6990



0.0000, 0.0000, 0.0000



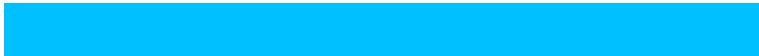
20.3446, 21.4041, 23.3091

Same Dimension

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



40.0865, 49.9342, 102.1332



36.8649, 44.8498, 101.3216



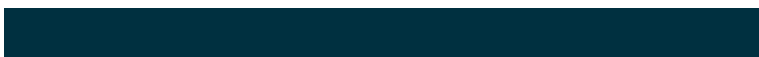
23.3410, 16.4430, 96.5514



18.1514, 19.6745, 23.0908



19.3868, 23.6832, 52.9841



1.9736, 2.4780, 5.1876

Inverse Universe

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



52.6947, 27.1119, 58.3345



50.7369, 25.0588, 51.9400



61.8210, 61.7809, 10.7666



18.5891, 18.2189, 21.7193



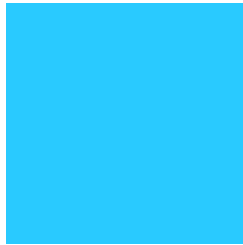
26.5738, 13.1188, 27.4696



2.6308, 1.2947, 2.9033

Previews

White Background



This preview shows how the XYZ color 40.0850, 49.9325, 102.1330 looks on a white background.

Color Contrast Check

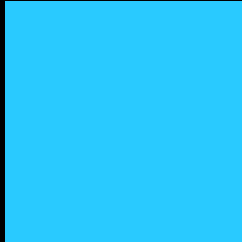
Large Text (above 18pt) WCAG AA × Fail

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 40.0850, 49.9325, 102.1330 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

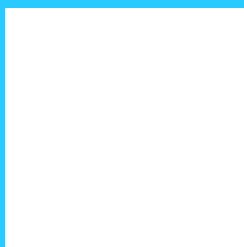
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.0850, 49.9325, 102.1330

Background



This preview shows how black text looks on a background with the XYZ color 40.0850, 49.9325, 102.1330.



This preview shows how white text looks on a background with the XYZ color 40.0850, 49.9325,

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

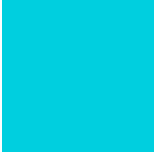
40.0850, 49.9325, 102.1330

Protanopia

49.8123, 49.2898, 90.1076

Deuteranopia

50.2947, 49.2875, 101.4704



Tritanopia

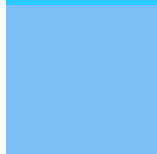
35.6321, 49.9534, 77.5760

Trichromacy



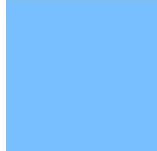
Original Color

40.0850, 49.9325, 102.1330



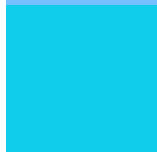
Protanomaly

43.5775, 48.2005, 94.1956



Deuteranomaly

44.2886, 48.4035, 101.6163



Tritanomaly

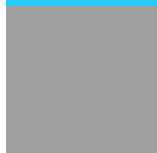
37.0237, 49.7624, 86.2510

Monochromacy



Original Color

40.0850, 49.9325, 102.1330



Achromatopsia

33.4132, 35.1533, 38.2819



Achromatomaly

32.5164, 38.3820, 57.3244

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.0850, 49.9325, 102.1330 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(41, 202, 255)` looks like.

```
.text, #text, p{  
    color:rgb(41, 202, 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(41, 202, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 202, 255) }
```

Border

The CSS property to change the border of an element to XYZ 40.0850, 49.9325, 102.1330 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(41, 202, 255) }
```


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

```
.border{ border-color:rgb(41, 202, 255) }
```

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

Here you see how a box with a 4 pixel rgb(41, 202, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 202, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 202, 255);  
box-shadow:4px 4px 4px 4px rgb(41, 202,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 40.0850, 49.9325, 102.1330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 202, 255) }
```

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

```
.background{ background-color: rgb(41, 202,  
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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