

Converting Colors

XYZ(40.7926, 51.3595,
102.3711)

Have a look what the booklet for
XYZ(40.7926, 51.3595, 102.3711)
contains.

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Color

**XYZ(40.7958, 51.3541,
102.3699)**

Conversions

Conversions Part 1

Format	Color
Hex	29CDFF
RGB	41, 205, 255
RGB Percent	16%, 80%, 100%
CMY	0.8391, 0.1961, 0.0000
CMYK	0.84, 0.20, 0.00, 0.00
HSL	194°, 100%, 58%
HSV	194°, 84%, 100%
XYZ	40.7958, 51.3541, 102.3699
YIQ	161.6640, -113.7940, -19.2180

Conversions

Conversions Part 2

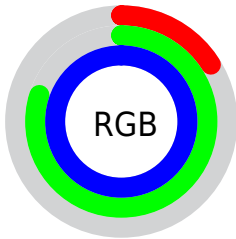
Format	Color
R _Y B	41, 134, 255
Decimal	2739711
CIE Lab	76.89, -23.24, -35.77
CIE LCh	77, 42.655, 236.990
Yxy	51.3541, 0.2097, 0.2640
Android (android.graphics.Color)	4280929791 (0xFF29CDFF)
YUV	161.6640, 46.0146, -105.8223
Hunter-Lab	71.6618, -23.7912, -34.5334

Details

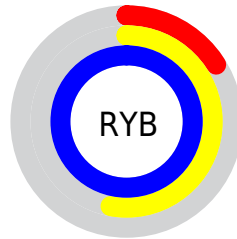
The XYZ color **40.7958, 51.3541, 102.3699** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **45.3836, 28.9061, 5.2875**, and the grayscale version is **34.0194, 35.7911, 38.9765**.

A 20% lighter version of the original color is **62.2674, 83.1000, 107.3658**, and **21.2597, 26.2104, 57.3647** is the 20% darker color. If you saturate the color by 10%, you get **38.6893, 48.1933, 101.8708**, and if you desaturate by 10%, it is **43.6168, 54.9657, 102.9183**.

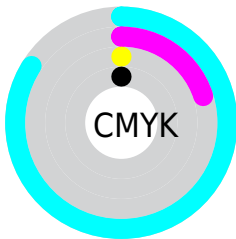
Distribution



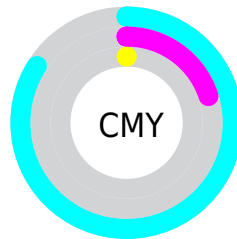
- Red (16%)
- Green (80%)
- Blue (100%)



- Red (16%)
- Yellow (53%)
- Blue (100%)



- Cyan (84%)
- Magenta (20%)
- Yellow (0%)
- Black (0%)



- Cyan (84%)
- Magenta (20%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.7958, 51.3541, 102.3699 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 40.7958, 51.3541, 102.3699 by changing the saturation by 10% instead.

■ 40.7958, 51.3541,
102.3699

■ 40.7958, 51.3541,
102.3699

340.5436,
391.9380, 589.0758

■ 28.3465, 36.4905,
77.6533

■ 75.6505, 92.1780,
166.4904

■ 18.7288, 24.8133,
57.2745

■ 98.7866, 118.9070,
206.7314

■ 11.5773, 15.9380,
40.8148

■ 126.2157,
150.3600, 252.9842

■ 6.5267, 9.4803,
27.8558

■ 158.3032,
186.9214, 305.6675

■ 3.2116, 5.0557,
17.9789

195.4143,
228.9754, 365.1998

■ 1.2666, 2.2800,
10.7656

237.9146,

■ 0.1580, 0.7631,

276.9066, 431.9996

5.7972

286.1692,
331.0994, 506.4854

■ 0.0000, 0.0000,
2.6554

■ 0.0000, 0.0000,
0.9208

■ 40.7958, 51.3541,
102.3699

■ 40.7958, 51.3541,
102.3699

■ 38.6893, 48.1933,
101.8708

■ 43.6168, 54.9657,
102.9183

■ 37.6587, 46.4374,
101.5862

■ 47.2581, 59.0806,
103.5207

■ 51.8117, 63.7482,
104.1816

■ 57.3558, 69.0096,
104.9050

■ 63.9597, 74.9013,
105.6941

■ 71.6864, 81.4566,
106.5522

■ 80.5937, 88.7062,
107.4820

■ 90.7355, 96.6786,
108.4863

■ 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.



36.1878, 51.3541, 78.7407



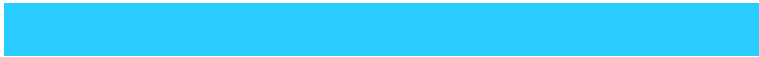
40.7958, 51.3541, 102.3699



47.9960, 51.3541, 113.4477

Triad

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



40.7958, 51.3541, 102.3699



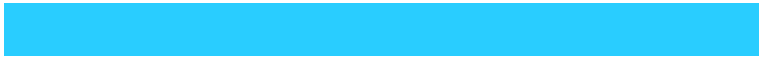
66.1046, 51.3541, 58.2948



42.0677, 51.3541, 24.8062

Complementary

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



40.7958, 51.3541, 102.3699



45.3836, 28.9061, 5.2875

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.



49.6343, 51.3541, 22.1153



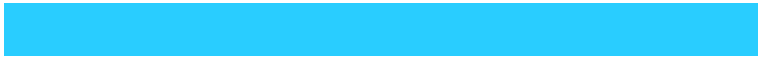
40.7958, 51.3541, 102.3699



64.0724, 51.3541, 37.9924

Square

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



40.7958, 51.3541, 102.3699



63.0953, 51.3541, 83.9568



57.8117, 51.3541, 26.1960



36.8630, 51.3541, 34.9376

Rectangle

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



40.7958, 51.3541, 102.3699



53.5121, 51.3541, 110.4484



57.8117, 51.3541, 26.1960



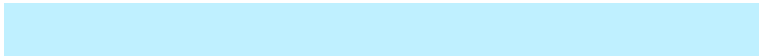
44.3927, 51.3541, 23.1484

Sweetspot

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



40.7974, 51.3558, 102.3702



70.7896, 80.7104, 106.4554



38.5617, 72.7464, 21.8957



14.5522, 16.7714, 22.7202



0.0000, 0.0000, 0.0000



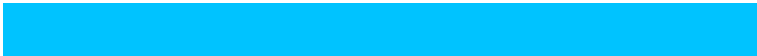
20.3446, 21.4041, 23.3091

Same Dimension

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



40.7974, 51.3558, 102.3702



37.6587, 46.4374, 101.5862



23.3410, 16.4431, 96.5514



18.1739, 19.7195, 23.0983



19.7974, 24.5043, 53.1210



2.0105, 2.5518, 5.1998

Inverse Universe

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



53.0535, 27.2554, 60.2239



51.1376, 25.2190, 54.0498



61.8210, 61.7809, 10.7666



18.6004, 18.2235, 21.7791



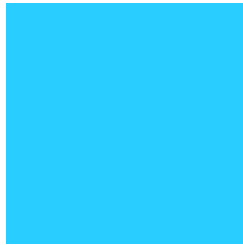
26.7810, 13.2017, 28.5609



2.6494, 1.3021, 3.0013

Previews

White Background



This preview shows how the XYZ color 40.7958, 51.3541, 102.3699 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 40.7958, 51.3541, 102.3699 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

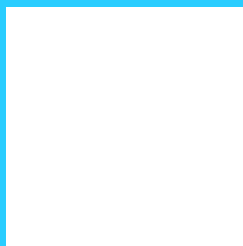
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.7958, 51.3541, 102.3699

Background



This preview shows how black text looks on a background with the XYZ color 40.7958, 51.3541, 102.3699.

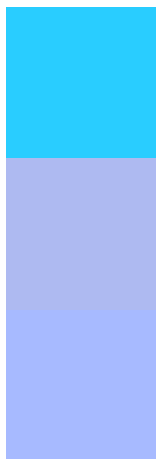


This preview shows how white text looks on a background with the XYZ color 40.7958, 51.3541,

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

40.7958, 51.3541, 102.3699

Protanopia

50.8916, 50.4674, 90.2780

Deuteranopia

51.5453, 50.5533, 101.6488



Tritanopia

36.5279, 51.0919, 79.8880

Trichromacy



Original Color

40.7958, 51.3541, 102.3699

Protanomaly

44.3087, 49.2294, 94.3557

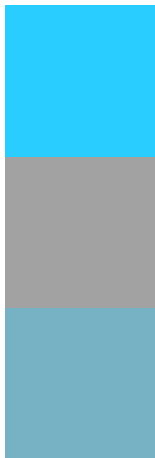
Deuteranomaly

45.0051, 49.4249, 101.7757

Tritanomaly

38.0389, 51.3277, 88.0231

Monochromacy



Original Color

40.7958, 51.3541, 102.3699

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

33.3554, 39.6779, 58.1251

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.7958, 51.3541, 102.3699 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, 205, 255)` looks like.

```
.text, #text, p{  
    color:rgb(41, 205, 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, 205, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 205, 255) }
```

Border

The CSS property to change the border of an element to XYZ 40.7958, 51.3541, 102.3699 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, 205, 255) }
```


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

```
.border{ border-color:rgb(41, 205, 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, 205, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 205, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 205, 255);  
box-shadow:4px 4px 4px 4px rgb(41, 205,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 40.7958, 51.3541, 102.3699 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 205, 255) }
```

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

```
.background{ background-color: rgb(41, 205,  
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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