

Converting Colors

XYZ(40.3109, 49.7151,
102.0791)

Have a look what the booklet for
XYZ(40.3109, 49.7151, 102.0791)
contains.

XYZ(40.3019, 49.6971, 102.0761)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(40.3019, 49.6971,
102.0761)**

Conversions

Conversions Part 1

Format	Color
Hex	33C9FF
RGB	51, 201, 255
RGB Percent	20%, 79%, 100%
CMY	0.7999, 0.2118, 0.0000
CMYK	0.80, 0.21, 0.00, 0.00
HSL	196°, 100%, 60%
HSV	196°, 80%, 100%
XYZ	40.3019, 49.6971, 102.0761
YIQ	162.3060, -106.7340, -15.0060

Conversions

Conversions Part 2

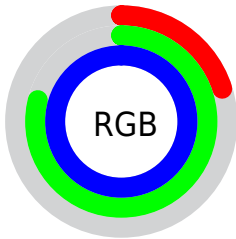
Format	Color
R _{YB}	51, 137, 255
Decimal	3394047
CIE Lab	75.88, -20.41, -37.32
CIE LCh	76, 42.541, 241.325
Yxy	49.6971, 0.2098, 0.2587
Android (android.graphics.Color)	4281584127 (0xFF33C9FF)
YUV	162.3060, 45.6981, -97.6154
Hunter-Lab	70.4962, -21.3218, -36.5026

Details

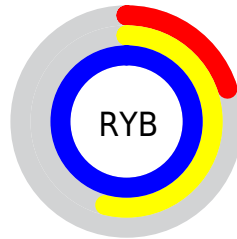
The XYZ color **40.3019, 49.6971, 102.0761** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **46.8912, 31.6057, 6.7632**, and the grayscale version is **34.3175, 36.1047, 39.3180**.

A 20% lighter version of the original color is **62.8633, 83.4071, 107.3937**, and **20.6268, 24.9447, 57.1537** is the 20% darker color. If you saturate the color by 10%, you get **37.8118, 46.1293, 101.5187**, and if you desaturate by 10%, it is **43.5676, 53.7692, 102.6900**.

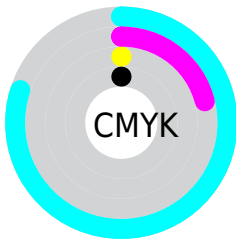
Distribution



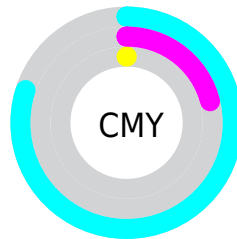
- Red (20%)
- Green (79%)
- Blue (100%)



- Red (20%)
- Yellow (54%)
- Blue (100%)



- Cyan (80%)
- Magenta (21%)
- Yellow (0%)
- Black (0%)



- Cyan (80%)
- Magenta (21%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.3019, 49.6971, 102.0761 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 40.3019, 49.6971, 102.0761 by changing the saturation by 10% instead.

■ 40.3019, 49.6971,
102.0761

■ 40.3019, 49.6971,
102.0761

338.5070,
385.4802, 588.1320

■ 27.9593, 35.1728,
77.4090

■ 74.9044, 89.7259,
166.0840

■ 18.4353, 23.7960,
57.0750

■ 97.8951, 115.9992,
206.2619

■ 11.3645, 15.1824,
40.6557

■ 125.1657,
146.9576, 252.4471

■ 6.3817, 8.9475,
27.7325

■ 157.0818,
182.9856, 305.0581

■ 3.1214, 4.7069,
17.8868

194.0086,
224.4674, 364.5136

■ 1.2183, 2.0764,
10.7002

236.3115,

■ 0.1207, 0.6513,

271.7875, 431.2321

5.7540

284.3558,
325.3303, 505.6320

■ 0.0000, 0.0000,
2.6297

■ 0.0000, 0.0000,
0.9077

■ 40.3019, 49.6971,
102.0761

■ 40.3019, 49.6971,
102.0761

■ 37.8118, 46.1293,
101.5187

■ 43.5676, 53.7692,
102.6900

■ 35.9272, 42.9741,
101.0090

■ 47.7058, 58.3941,
103.3646

■ 35.9259, 42.9718,
101.0086

■ 52.8033, 63.6188,
104.1044

■ 58.9349, 69.4830,
104.9131

■ 66.1674, 76.0224,
105.7941

■ 74.5619, 83.2697,
106.7506

■ 84.1748, 91.2551,
107.7853

■ 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.



35.3898, 49.6971, 80.0864



40.3019, 49.6971, 102.0761



47.5885, 49.6971, 110.4390

Triad

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



40.3019, 49.6971, 102.0761



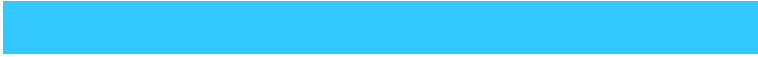
64.1453, 49.6971, 53.1097



39.7559, 49.6971, 24.7627

Complementary

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



40.3019, 49.6971, 102.0761



46.8912, 31.6057, 6.7632

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.



46.8844, 49.6971, 21.1838



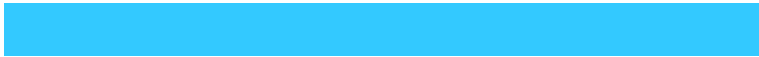
40.3019, 49.6971, 102.0761



61.4675, 49.6971, 34.4650

Square

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



40.3019, 49.6971, 102.0761



61.8881, 49.6971, 77.8398



54.9222, 49.6971, 24.1688



35.1002, 49.6971, 35.7740

Rectangle

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



40.3019, 49.6971, 102.0761



52.9900, 49.6971, 105.7241



54.9222, 49.6971, 24.1688



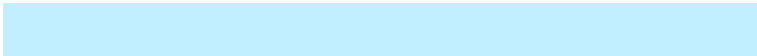
41.9136, 49.6971, 22.8150

Sweetspot

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



40.3034, 49.6988, 102.0763



71.0546, 80.2784, 106.3580



39.5252, 73.1839, 24.6168



14.5757, 16.6346, 22.6925



0.0000, 0.0000, 0.0000



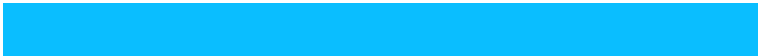
20.3446, 21.4041, 23.3091

Same Dimension

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



40.3034, 49.6988, 102.0763



36.6338, 44.1981, 101.2080



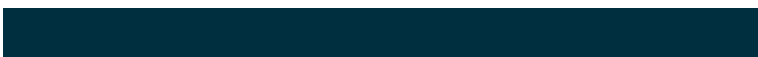
24.1690, 17.4299, 96.6982



18.1241, 19.6199, 23.0817



18.9008, 22.7112, 52.8221



1.9298, 2.3903, 5.1729

Inverse Universe

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



52.9676, 27.8465, 57.8431



50.6665, 25.2077, 51.0233



63.4320, 64.6872, 12.2768



18.5753, 18.2134, 21.6467



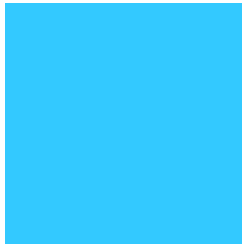
26.3285, 13.0207, 26.1779



2.6087, 1.2858, 2.7867

Previews

White Background



This preview shows how the XYZ color 40.3019, 49.6971, 102.0761 looks on a white background.

Color Contrast Check

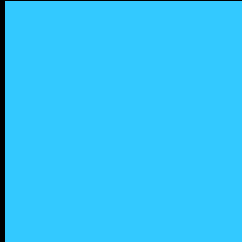
Large Text (above 18pt) WCAG AA × Fail

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 40.3019, 49.6971, 102.0761 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

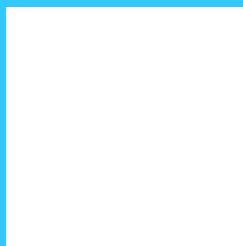
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.3019, 49.6971, 102.0761

Background



This preview shows how black text looks on a background with the XYZ color 40.3019, 49.6971, 102.0761.

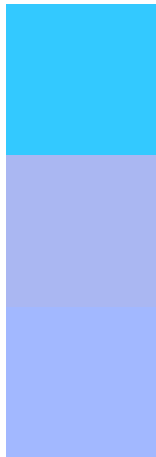


This preview shows how white text looks on a background with the XYZ color 40.3019, 49.6971,

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

40.3019, 49.6971, 102.0761

Protanopia

49.5381, 48.8238, 90.8174

Deuteranopia

50.0908, 49.1824, 101.4608



Tritanopia

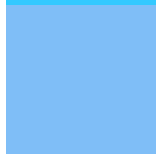
35.3906, 49.4703, 77.4955

Trichromacy



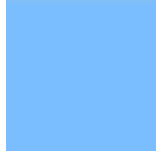
Original Color

40.3019, 49.6971, 102.0761



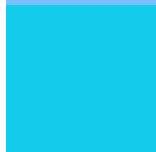
Protanomaly

43.9544, 48.0543, 94.9545



Deuteranomaly

44.4895, 48.1845, 101.5634



Tritanomaly

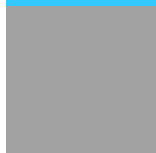
36.8568, 49.3223, 86.1749

Monochromacy



Original Color

40.3019, 49.6971, 102.0761



Achromatopsia

34.3422, 36.1307, 39.3463



Achromatomaly

33.5152, 39.1738, 58.0194

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.3019, 49.6971, 102.0761 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(51, 201, 255)` looks like.

```
.text, #text, p{  
    color:rgb(51, 201, 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(51, 201, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 201, 255) }
```

Border

The CSS property to change the border of an element to XYZ 40.3019, 49.6971, 102.0761 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(51, 201, 255) }
```


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

```
.border{ border-color:rgb(51, 201, 255) }
```

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

Here you see how a box with a 4 pixel rgb(51, 201, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 201, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 201, 255);  
box-shadow:4px 4px 4px 4px rgb(51, 201,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 40.3019, 49.6971, 102.0761 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 201, 255) }
```

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

```
.background{ background-color: rgb(51, 201,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor