

Converting Colors

XYZ(40.6943, 50.2460,
102.1664)

Have a look what the booklet for
XYZ(40.6943, 50.2460, 102.1664)
contains.

XYZ(40.6919, 50.2453, 102.1614)	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(40.6919, 50.2453,
102.1614)**

Conversions

Conversions Part 1

Format	Color
Hex	36CAFF
RGB	54, 202, 255
RGB Percent	21%, 79%, 100%
CMY	0.7882, 0.2078, 0.0000
CMYK	0.79, 0.21, 0.00, 0.00
HSL	196°, 100%, 61%
HSV	196°, 79%, 100%
XYZ	40.6919, 50.2453, 102.1614
YIQ	163.7900, -105.2210, -14.8930

Conversions

Conversions Part 2

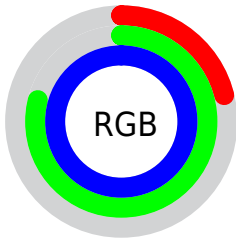
Format	Color
R_{YB}	54, 139, 255
Decimal	3590911
CIE _{Lab}	76.22, -20.66, -36.80
CIE _{LCh}	76, 42.199, 240.693
Yxy	50.2453, 0.2107, 0.2602
Android (android.graphics.Color)	4281780991 (0xFF36CAFF)
YUV	163.7900, 44.9665, -96.2858
Hunter-Lab	70.8839, -21.5765, -35.8329

Details

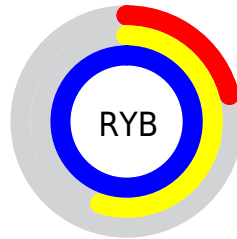
The XYZ color **40.6919, 50.2453, 102.1614** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **47.1657, 32.0454, 7.1918**, and the grayscale version is **35.0190, 36.8427, 40.1217**.

A 20% lighter version of the original color is **63.1701, 83.5653, 107.4080**, and **20.7829, 25.2570, 57.2058** is the 20% darker color. If you saturate the color by 10%, you get **38.1207, 46.6292, 101.5989**, and if you desaturate by 10%, it is **44.0512, 54.3715, 102.7807**.

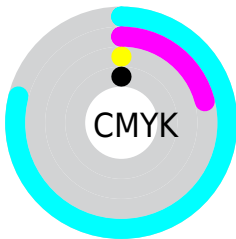
Distribution



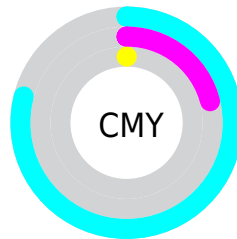
- Red (21%)
- Green (79%)
- Blue (100%)



- Red (21%)
- Yellow (55%)
- Blue (100%)



- Cyan (79%)
- Magenta (21%)
- Yellow (0%)
- Black (0%)



- Cyan (79%)
- Magenta (21%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.6919, 50.2453, 102.1614 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 40.6919, 50.2453, 102.1614 by changing the saturation by 10% instead.

40.6919, 50.2453,
102.1614

40.6919, 50.2453,
102.1614

340.1159,
387.6244, 588.4061

28.2650, 35.6083,
77.4799

75.4936, 90.5382,
166.2020

18.6670, 24.1319,
57.1329

98.5992, 116.9630,
206.3982

11.5325, 15.4315,
40.7019

125.9951,
148.0858, 252.6031

6.4961, 9.1228,
27.7683

158.0465,
184.2910, 305.2351

3.1925, 4.8213,
17.9136

195.1190,
225.9631, 364.7129

1.2564, 2.1428,
10.7191

237.5778,

0.1502, 0.6885,

273.4865, 431.4550

5.7665

285.7883,
327.2454, 505.8798

■ 0.0000, 0.0000,
2.6372

■ 0.0000, 0.0000,
0.9115

■ 40.6919, 50.2453,
102.1614

■ 40.6919, 50.2453,
102.1614

■ 38.1207, 46.6292,
101.5989

■ 44.0512, 54.3715,
102.7807

■ 36.1896, 43.4431,
101.0857

■ 48.2933, 59.0552,
103.4612

■ 35.9815, 43.0831,
101.0272

■ 53.5035, 64.3426,
104.2072

■ 59.7554, 70.2727,
105.0223

■ 67.1151, 76.8809,
105.9099

■ 75.6432, 84.1996,
106.8731

■ 85.3954, 92.2586,
107.9146

■ 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.



35.8353, 50.2453, 80.0909



40.6919, 50.2453, 102.1614



47.9408, 50.2453, 110.8459

Triad

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



40.6919, 50.2453, 102.1614



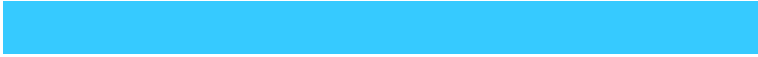
64.6367, 50.2453, 54.1834



40.4062, 50.2453, 25.1497

Complementary

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



40.6919, 50.2453, 102.1614



47.1657, 32.0454, 7.1918

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.



47.5729, 50.2453, 21.6891



40.6919, 50.2453, 102.1614



62.0659, 50.2453, 35.3504

Square

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



40.6919, 50.2453, 102.1614



62.2852, 50.2453, 78.9201



55.5951, 50.2453, 24.8372



35.6836, 50.2453, 36.0369

Rectangle

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



40.6919, 50.2453, 102.1614



53.3353, 50.2453, 106.4120



55.5951, 50.2453, 24.8372



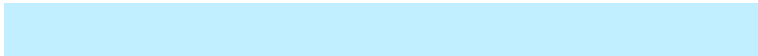
42.5813, 50.2453, 23.2394

Sweetspot

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



40.6934, 50.2470, 102.1616



71.0729, 80.3150, 106.3642



39.7945, 73.3097, 25.2200



14.5802, 16.6435, 22.6940



0.0000, 0.0000, 0.0000



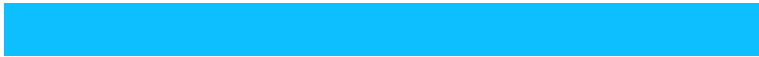
20.3446, 21.4041, 23.3091

Same Dimension

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



40.6934, 50.2470, 102.1616



36.8693, 44.6176, 101.2766



24.5493, 17.9587, 96.7802



18.1258, 19.6232, 23.0823



18.9296, 22.7688, 52.8317



1.9324, 2.3955, 5.1738

Inverse Universe

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



53.2210, 28.1645, 58.5098



50.7979, 25.3084, 51.5671



63.6790, 65.0719, 12.6963



18.5761, 18.2138, 21.6511



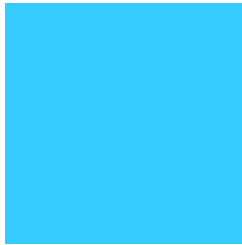
26.3430, 13.0265, 26.2544



2.6100, 1.2864, 2.7937

Previews

White Background



This preview shows how the XYZ color 40.6919, 50.2453, 102.1614 looks on a white background.

Color Contrast Check

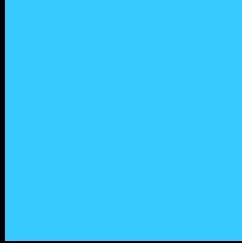
Large Text (above 18pt) WCAG AA × Fail

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 40.6919, 50.2453, 102.1614 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

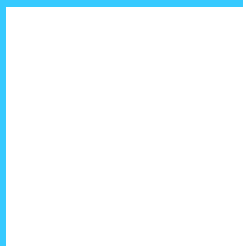
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.6919, 50.2453, 102.1614

Background



This preview shows how black text looks on a background with the XYZ color 40.6919, 50.2453, 102.1614.

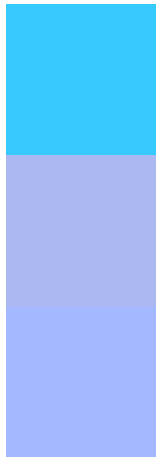


This preview shows how white text looks on a background with the XYZ color 40.6919, 50.2453,

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

40.6919, 50.2453, 102.1614

Protanopia

49.9621, 49.3497, 90.8966

Deuteranopia

50.5003, 49.3935, 101.4800



Tritanopia

35.7674, 50.0075, 78.2883

Trichromacy



Original Color

40.6919, 50.2453, 102.1614



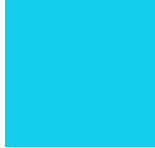
Protanomaly

44.3214, 48.5662, 95.0339



Deuteranomaly

44.9930, 48.7667, 101.6493



Tritanomaly

37.1152, 49.8095, 86.2553

Monochromacy



Original Color

40.6919, 50.2453, 102.1614



Achromatopsia

35.2861, 37.1238, 40.4278



Achromatomaly

34.3106, 40.1571, 58.7661

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.6919, 50.2453, 102.1614 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(54, 202, 255)` looks like.

```
.text, #text, p{  
    color:rgb(54, 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(54, 202, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 202, 255) }
```

Border

The CSS property to change the border of an element to XYZ 40.6919, 50.2453, 102.1614 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(54, 202, 255) }
```


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

```
.border{ border-color:rgb(54, 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(54, 202, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 202, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 202, 255);  
box-shadow:4px 4px 4px 4px rgb(54, 202,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 40.6919, 50.2453, 102.1614 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 202, 255) }
```

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

```
.background{ background-color: rgb(54, 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](#).

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