

Converting Colors

XYZ(40.6471, 50.9133,
102.2927)

Have a look what the booklet for
XYZ(40.6471, 50.9133, 102.2927)
contains.

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Color

**XYZ(40.6391, 50.9193,
102.2942)**

Conversions

Conversions Part 1

Format	Color
Hex	2BCCFF
RGB	43, 204, 255
RGB Percent	17%, 80%, 100%
CMY	0.8313, 0.2000, 0.0000
CMYK	0.83, 0.20, 0.00, 0.00
HSL	194°, 100%, 58%
HSV	194°, 83%, 100%
XYZ	40.6391, 50.9193, 102.2942
YIQ	161.6750, -112.3270, -18.2710

Conversions

Conversions Part 2

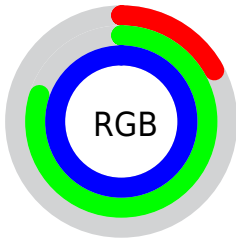
Format	Color
R_{YB}	43, 135, 255
Decimal	2870527
CIE _{Lab}	76.63, -22.59, -36.17
CIE _{LCh}	77, 42.648, 238.018
Yxy	50.9193, 0.2096, 0.2627
Android (android.graphics.Color)	4281060607 (0xFF2BCCFF)
YUV	161.6750, 46.0092, -104.0780
Hunter-Lab	71.3578, -23.2182, -35.0442




Details

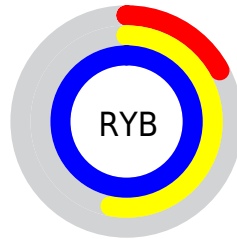
The XYZ color **40.6391, 50.9193, 102.2942** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **45.6809, 29.4435, 5.5632**, and the grayscale version is **34.0238, 35.7957, 38.9815**.


A 20% lighter version of the original color is **62.4142, 83.1756, 107.3727**, and **21.0994, 25.8899, 57.3113** is the 20% darker color. If you saturate the color by 10%, you get **38.4545, 47.6718, 101.7825**, and if you desaturate by 10%, it is **43.5510, 54.6288, 102.8568**.

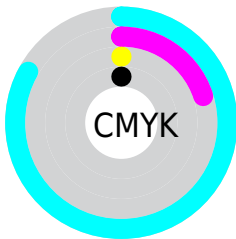
Distribution







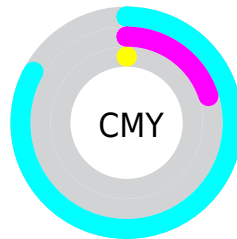
-  Red (17%)
-  Green (80%)
-  Blue (100%)






-  Red (17%)
-  Yellow (53%)
-  Blue (100%)



-  Cyan (83%)
-  Magenta (20%)
-  Yellow (0%)
-  Black (0%)



-  Cyan (83%)
-  Magenta (20%)
-  Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.6391, 50.9193, 102.2942 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 40.6391, 50.9193, 102.2942 by changing the saturation by 10% instead.

40.6391, 50.9193,
102.2942

40.6391, 50.9193,
102.2942

339.8984,
390.2502, 588.8327

28.2236, 36.1444,
77.5904

75.4139, 91.5355,
166.3857

18.6356, 24.5457,
57.2231

98.5039, 118.1455,
206.6104

11.5097, 15.7389,
40.7738

125.8829,
149.4694, 252.8459

6.4806, 9.3396,
27.8240

157.9160,
185.8915, 305.5106

3.1829, 4.9634,
17.9552

194.9688,
227.7963, 365.0230

1.2512, 2.2258,
10.7487

237.4066,

0.1462, 0.7340,

275.5680, 431.8019

5.7861

285.5946,
329.5912, 506.2656

■ 0.0000, 0.0000,
2.6488

■ 0.0000, 0.0000,
0.9175

■ 40.6391, 50.9193,
102.2942

■ 40.6391, 50.9193,
102.2942

■ 38.4545, 47.6718,
101.7825

■ 43.5510, 54.6288,
102.8568

■ 37.2645, 45.6490,
101.4548

■ 47.2940, 58.8521,
103.4747

■ 51.9591, 63.6379,
104.1526

■ 57.6236, 69.0271,
104.8942

■ 64.3565, 75.0559,
105.7030

■ 72.2202, 81.7576,
106.5821

■ 81.2723, 89.1627,
107.5344

■ 91.5664, 97.2998,
108.5624

■ 95.0500, 100.0000,
108.9000

Harmonies

Analogous

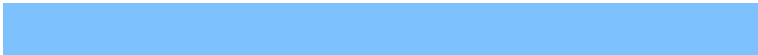
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



35.9567, 50.9193, 79.0336



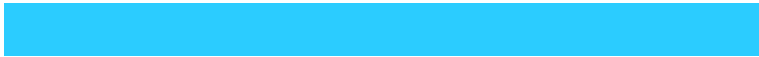
40.6391, 50.9193, 102.2942



47.8630, 50.9193, 112.7317

Triad

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



40.6391, 50.9193, 102.2942



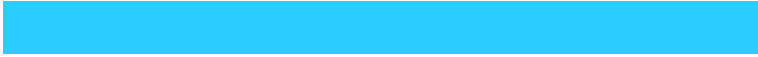
65.6101, 50.9193, 56.9926



41.4715, 50.9193, 24.7495

Complementary

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



40.6391, 50.9193, 102.2942



45.6809, 29.4435, 5.5632

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.



48.9355, 50.9193, 21.8460



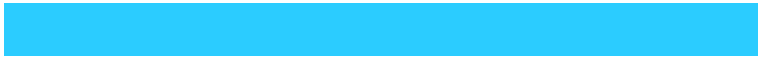
40.6391, 50.9193, 102.2942



63.4198, 50.9193, 37.0859

Square

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



40.6391, 50.9193, 102.2942



62.7798, 50.9193, 82.4511



57.0848, 50.9193, 25.6575



36.3984, 50.9193, 35.0882

Rectangle

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



40.6391, 50.9193, 102.2942



53.3547, 50.9193, 109.3135



57.0848, 50.9193, 25.6575



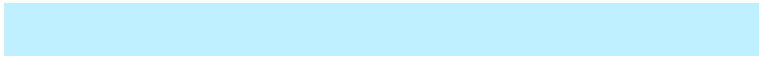
43.7569, 50.9193, 23.0230

Sweetspot

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



40.6407, 50.9210, 102.2945



70.6598, 80.4508, 106.4121



38.7102, 72.8153, 22.2510



14.5209, 16.7087, 22.7097



0.0000, 0.0000, 0.0000



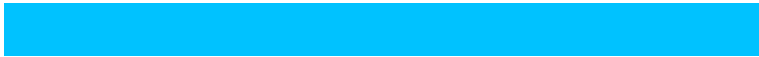
20.3446, 21.4041, 23.3091

Same Dimension

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



40.6407, 50.9210, 102.2945



37.2645, 45.6490, 101.4548



23.5613, 16.7623, 96.6014



18.1628, 19.6973, 23.0946



19.5935, 24.0966, 53.0530



1.9922, 2.5152, 5.1937

Inverse Universe

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



53.0041, 27.3491, 59.6136



50.9386, 25.1394, 53.0020



61.9787, 62.0392, 10.9958



18.5948, 18.2212, 21.7495



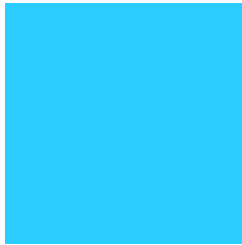
26.6781, 13.1605, 28.0190



2.6402, 1.2985, 2.9527

Previews

White Background



This preview shows how the XYZ color 40.6391, 50.9193, 102.2942 looks on a white background.

Color Contrast Check

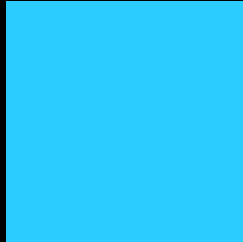
Large Text (above 18pt) WCAG AA × Fail

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 40.6391, 50.9193, 102.2942 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 40.6391, 50.9193, 102.2942

Background



This preview shows how black text looks on a background with the XYZ color 40.6391, 50.9193, 102.2942.



This preview shows how white text looks on a background with the XYZ color 40.6391, 50.9193,

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

40.6391, 50.9193, 102.2942

Protanopia

50.4597, 49.9330, 90.1976

Deuteranopia

51.1248, 50.0249, 101.5689



Tritanopia

36.3911, 51.0372, 79.1673

Trichromacy



Original Color

40.6391, 50.9193, 102.2942

Protanomaly

44.0884, 48.7887, 94.2822

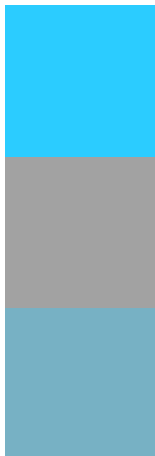
Deuteranomaly

44.7848, 48.9842, 101.7022

Tritanomaly

37.6668, 50.7919, 87.1755

Monochromacy



Original Color

40.6391, 50.9193, 102.2942

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

33.2937, 39.3517, 58.0654

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.6391, 50.9193, 102.2942 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(43, 204, 255)` looks like.

```
.text, #text, p{  
    color:rgb(43, 204, 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(43, 204, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 204, 255) }
```

Border

The CSS property to change the border of an element to XYZ 40.6391, 50.9193, 102.2942 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(43, 204, 255) }
```


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

```
.border{ border-color:rgb(43, 204, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 204, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 204, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 204, 255);  
box-shadow:4px 4px 4px 4px rgb(43, 204,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 40.6391, 50.9193, 102.2942 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 204, 255) }
```

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

```
.background{ background-color: rgb(43, 204,  
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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