

Converting Colors

XYZ(40.3778, 52.4336,
100.4634)

Have a look what the booklet for
XYZ(40.3778, 52.4336, 100.4634)
contains.

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Color

**XYZ(40.1891, 52.1723,
100.0475)**

Conversions

Conversions Part 1

Format	Color
Hex	05D0FC
RGB	5, 208, 252
RGB Percent	2%, 82%, 99%
CMY	0.9801, 0.1843, 0.0118
CMYK	0.98, 0.17, 0.00, 0.01
HSL	191°, 98%, 50%
HSV	191°, 98%, 99%
XYZ	40.1891, 52.1723, 100.0475
YIQ	152.3190, -135.1120, -29.3520

Conversions

Conversions Part 2

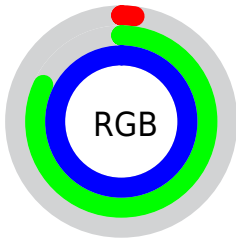
Format	Color
RYB	5, 116, 252
Decimal	381180
CIELab	77.38, -27.23, -33.43
CIELCh	77, 43.118, 230.834
Yxy	52.1723, 0.2089, 0.2712
Android (android.graphics.Color)	4278571260 (0xFF05D0FC)
YUV	152.3190, 49.1427, -129.1988
Hunter-Lab	72.2304, -27.0855, -31.5623

Details

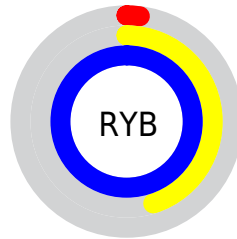
The XYZ color **40.1891, 52.1723, 100.0475** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **41.2742, 22.9090, 2.3921**, and the grayscale version is **29.8284, 31.3818, 34.1748**.

A 20% lighter version of the original color is **60.8802, 82.3848, 107.3009**, and **21.2416, 26.7226, 55.6682** is the 20% darker color. If you saturate the color by 10%, you get **39.9078, 51.7022, 99.9726**, and if you desaturate by 10%, it is **41.7811, 54.6422, 100.4414**.

Distribution



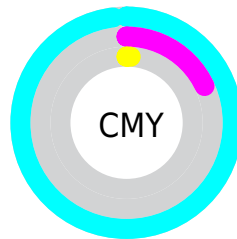
- Red (2%)
- Green (82%)
- Blue (99%)



- Red (2%)
- Yellow (45%)
- Blue (99%)



- Cyan (98%)
- Magenta (17%)
- Yellow (0%)
- Black (1%)



- Cyan (98%)
- Magenta (18%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.1891, 52.1723, 100.0475 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 40.1891, 52.1723, 100.0475 by changing the saturation by 10% instead.

40.1891, 52.1723,
100.0475

40.1891, 52.1723,
100.0475

338.0407,
395.1014, 581.5929

27.8709, 37.1424,
75.7231

74.7339, 93.3853,
163.2749

18.3683, 25.3178,
55.7002

97.6912, 120.3372,
203.0150

11.3160, 16.3140,
39.5602

124.9255,
152.0319, 248.7307

6.3487, 9.7466,
26.8846

156.8023,
188.8539, 300.8406

3.1009, 5.2313,
17.2549

193.6869,
231.1874, 359.7633

1.2073, 2.3836,
10.2525

235.9445,

0.1122, 0.8174,

279.4169, 425.9172

5.4589

283.9407,
333.9268, 499.7209

■ 0.0000, 0.0000,
2.4556

■ 0.0000, 0.0000,
0.8165

■ 40.1891, 52.1723,
100.0475

■ 40.1891, 52.1723,
100.0475

■ 39.9078, 51.7022,
99.9726

■ 41.7811, 54.6422,
100.4414

■ 43.9807, 57.4709,
100.8714

■ 46.9175, 60.7262,
101.3450

■ 50.6856, 64.4573,
101.8666

■ 55.3649, 68.7056,
102.4399

■ 61.0256, 73.5076,
103.0685

■ 67.7310, 78.8964,
103.7552

■ 75.5387, 84.9019,
104.5029

■ 84.5023, 91.5522,
105.3141

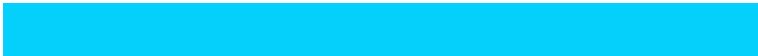
Harmonies

Analogous

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



36.1356, 52.1723, 74.6341



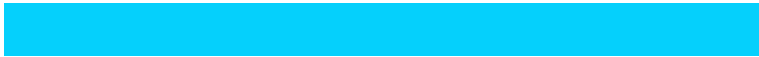
40.1891, 52.1723, 100.0475



47.0927, 52.1723, 114.8255

Triad

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



40.1891, 52.1723, 100.0475



67.0431, 52.1723, 64.3915



44.1336, 52.1723, 23.9371

Complementary

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



40.1891, 52.1723, 100.0475



41.2742, 22.9090, 2.3921

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.



52.1703, 52.1723, 22.6126



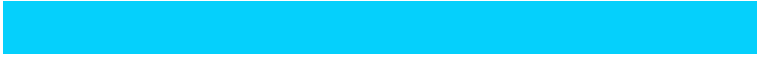
40.1891, 52.1723, 100.0475



66.0231, 52.1723, 42.0716

Square

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



40.1891, 52.1723, 100.0475



62.9982, 52.1723, 90.7814



60.3492, 52.1723, 28.2603



38.2305, 52.1723, 32.5827

Rectangle

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



40.1891, 52.1723, 100.0475



52.6443, 52.1723, 114.4571



60.3492, 52.1723, 28.2603



46.6527, 52.1723, 22.7377

Sweetspot

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



40.1909, 52.1741, 100.0488



68.8174, 80.4491, 106.5089



35.3718, 69.8533, 14.2268



14.0820, 16.7033, 22.7318



0.0000, 0.0000, 0.0000



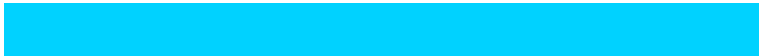
20.3446, 21.4041, 23.3091

Same Dimension

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



40.1909, 52.1741, 100.0488



40.9891, 53.0982, 102.6964



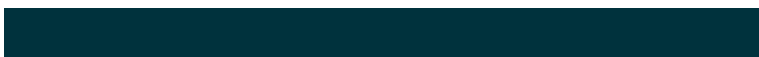
21.0733, 13.9391, 93.6763



17.4873, 19.0515, 22.1409



20.8870, 27.1296, 52.1092



2.0010, 2.6456, 4.8484

Inverse Universe

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



51.5858, 25.3599, 61.8523



52.8186, 25.8914, 62.9020



54.4899, 49.3403, 6.7973



17.8525, 17.4684, 21.0791



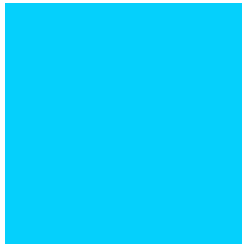
26.8348, 13.1496, 32.1682



2.5189, 1.2313, 3.1560

Previews

White Background



This preview shows how the XYZ color 40.1891, 52.1723, 100.0475 looks on a white background.

Color Contrast Check

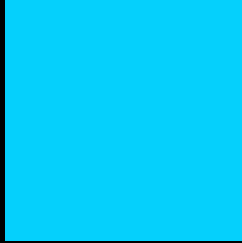
Large Text (above 18pt) WCAG AA × Fail

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 40.1891, 52.1723, 100.0475 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 40.1891, 52.1723, 100.0475

Background



This preview shows how black text looks on a background with the XYZ color 40.1891, 52.1723, 100.0475.



This preview shows how white text looks on a background with the XYZ color 40.1891, 52.1723,

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

40.1891, 52.1723, 100.0475

Protanopia

51.6294, 51.5458, 87.3489

Deuteranopia

52.6149, 51.4186, 101.7594



Tritanopia

37.1594, 52.1346, 80.7775

Trichromacy



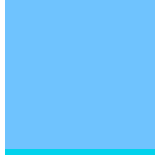
Original Color

40.1891, 52.1723, 100.0475



Protanomaly

42.6124, 49.0859, 91.2330



Deuteranomaly

43.9600, 49.5655, 101.0161



Tritanomaly

38.2120, 52.1622, 87.4112

Monochromacy



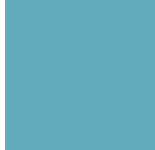
Original Color

40.1891, 52.1723, 100.0475



Achromatopsia

29.8446, 31.3989, 34.1934



Achromatomaly

28.9752, 35.7885, 52.9577

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.1891, 52.1723, 100.0475 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(5, 208, 252)` looks like.

```
.text, #text, p{  
    color:rgb(5, 208, 252)  
}
```

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(5, 208, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 208, 252) }
```

Border

The CSS property to change the border of an element to XYZ 40.1891, 52.1723, 100.0475 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(5, 208, 252) }
```


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

```
.border{ border-color:rgb(5, 208, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(5, 208, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 208, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(5, 208, 252);  
box-shadow:4px 4px 4px 4px rgb(5, 208,  
252) }
```

Background

The CSS property to change the background color of an element to XYZ 40.1891, 52.1723, 100.0475 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 208, 252) }
```

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

```
.background{ background-color: rgb(5, 208,  
252) }
```

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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