

Converting Colors

XYZ(41.4321, 52.4422,
102.5464)

Have a look what the booklet for
XYZ(41.4321, 52.4422, 102.5464)
contains.

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Color

**XYZ(41.4015, 52.3811,
102.5362)**

Conversions

Conversions Part 1

Format	Color
Hex	2CCFFF
RGB	44, 207, 255
RGB Percent	17%, 81%, 100%
CMY	0.8274, 0.1882, 0.0000
CMYK	0.83, 0.19, 0.00, 0.00
HSL	194°, 100%, 59%
HSV	194°, 83%, 100%
XYZ	41.4015, 52.3811, 102.5362
YIQ	163.7350, -112.5560, -19.6280

Conversions

Conversions Part 2

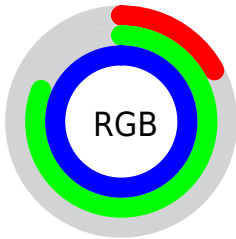
Format	Color
RYB	44, 136, 255
Decimal	2936831
CIELab	77.51, -24.03, -34.81
CIELCh	78, 42.304, 235.383
Yxy	52.3811, 0.2109, 0.2668
Android (android.graphics.Color)	4281126911 (0xFF2CCFFF)
YUV	163.7350, 44.9936, -105.0076
Hunter-Lab	72.3748, -24.5462, -33.3361

Details

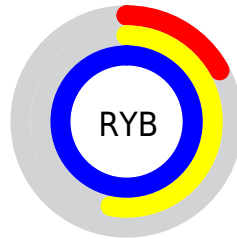
The XYZ color **41.4015, 52.3811, 102.5362** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **45.5238, 29.0996, 5.6024**, and the grayscale version is **34.9957, 36.8182, 40.0950**.

A 20% lighter version of the original color is **62.4142, 83.1756, 107.3727**, and **21.4213, 26.5337, 57.4186** is the 20% darker color. If you saturate the color by 10%, you get **39.2429, 49.2209, 102.0400**, and if you desaturate by 10%, it is **44.2863, 55.9942, 103.0816**.

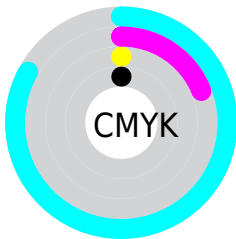
Distribution



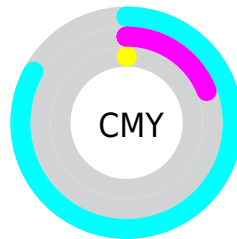
- Red (17%)
- Green (81%)
- Blue (100%)



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



- Cyan (83%)
- Magenta (19%)
- Yellow (0%)
- Black (0%)



- Cyan (83%)
- Magenta (19%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.4015, 52.3811, 102.5362 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 41.4015, 52.3811, 102.5362 by changing the saturation by 10% instead.

41.4015, 52.3811,
102.5362

41.4015, 52.3811,
102.5362

343.0299,
395.9061, 589.6097

28.8220, 37.3089,
77.7917

76.5639, 93.6930,
166.7203

19.0898, 25.4468,
57.3874

99.8775, 120.7016,
206.9970

11.8396, 16.4102,
40.9049

127.4998,
152.4577, 253.2882

6.7060, 9.8149,
27.9257

159.7962,
189.3459, 306.0123

3.3236, 5.2764,
18.0311

197.1320,
231.7504, 365.5880

1.3271, 2.4103,
10.8026

239.8727,

0.2034, 0.8312,

280.0557, 432.4338

5.8218

288.3835,
334.6461, 506.9681

■ 0.0000, 0.0000,
2.6700

■ 0.0000, 0.0000,
0.9283

■ 41.4015, 52.3811,
102.5362

■ 41.4015, 52.3811,
102.5362

■ 39.2429, 49.2209,
102.0400

■ 44.2863, 55.9942,
103.0816

■ 38.0135, 47.1469,
101.7045

■ 48.0001, 60.1112,
103.6805

■ 52.6332, 64.7804,
104.3375

■ 58.2625, 70.0422,
105.0565

■ 64.9564, 75.9325,
105.8406

■ 72.7772, 82.4844,
106.6931

■ 81.7822, 89.7280,
107.6166

■ 92.0246, 97.6916,
108.6139

■ 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.



36.9240, 52.3811, 78.5263



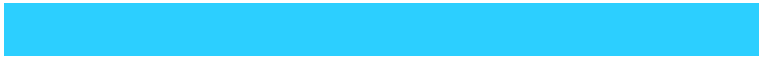
41.4015, 52.3811, 102.5362



48.5355, 52.3811, 114.5101

Triad

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



41.4015, 52.3811, 102.5362



67.1042, 52.3811, 60.7245



43.3643, 52.3811, 25.3278

Complementary

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



41.4015, 52.3811, 102.5362



45.5238, 29.0996, 5.6024

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.



51.0591, 52.3811, 22.9671



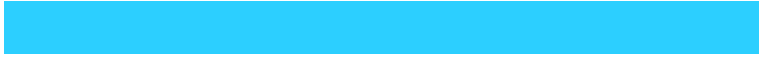
41.4015, 52.3811, 102.5362



65.3354, 52.3811, 39.8717

Square

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



41.4015, 52.3811, 102.5362



63.8346, 52.3811, 86.5299



59.2338, 52.3811, 27.4899



37.9675, 52.3811, 35.1421

Rectangle

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



41.4015, 52.3811, 102.5362



54.0622, 52.3811, 112.1976



59.2338, 52.3811, 27.4899



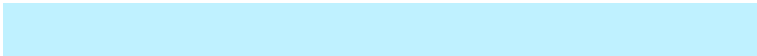
45.7427, 52.3811, 23.7741

Sweetspot

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



41.4031, 52.3829, 102.5365



70.9054, 80.9420, 106.4940



38.6338, 72.7896, 21.6271



14.5801, 16.8273, 22.7295



0.0000, 0.0000, 0.0000



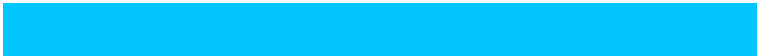
20.3446, 21.4041, 23.3091

Same Dimension

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



41.4031, 52.3829, 102.5365



38.1774, 47.4274, 101.7500



24.0197, 17.6161, 96.7420



18.1838, 19.7393, 23.1016



19.9808, 24.8712, 53.1821



2.0270, 2.5847, 5.2053

Inverse Universe

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



53.4043, 27.5681, 61.5396



51.4109, 25.3727, 55.3529



61.2601, 60.5721, 10.8478



18.6054, 18.2255, 21.8054



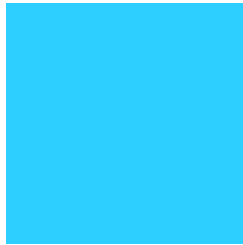
26.8736, 13.2387, 29.0485



2.6577, 1.3055, 3.0450

Previews

White Background



This preview shows how the XYZ color 41.4015, 52.3811, 102.5362 looks on a white background.

Color Contrast Check

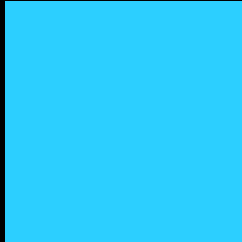
Large Text (above 18pt) WCAG AA × Fail

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 41.4015, 52.3811, 102.5362 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 41.4015, 52.3811, 102.5362

Background



This preview shows how black text looks on a background with the XYZ color 41.4015, 52.3811, 102.5362.

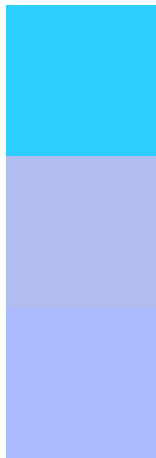


This preview shows how white text looks on a background with the XYZ color 41.4015, 52.3811,

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

41.4015, 52.3811, 102.5362

Protanopia

51.9919, 51.6644, 90.4511

Deuteranopia

52.6108, 51.7325, 101.8202



Tritanopia

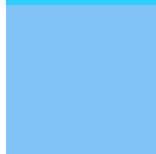
37.2979, 52.1900, 81.5067

Trichromacy



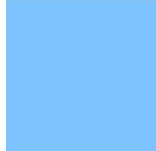
Original Color

41.4015, 52.3811, 102.5362



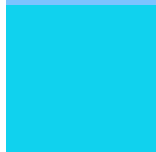
Protanomaly

45.2029, 50.3512, 94.5251



Deuteranomaly

45.8773, 50.5353, 101.9440



Tritanomaly

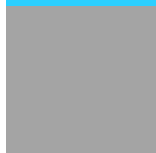
38.6929, 52.3764, 88.9592

Monochromacy



Original Color

41.4015, 52.3811, 102.5362



Achromatopsia

35.2861, 37.1238, 40.4278



Achromatomaly

34.1450, 40.6668, 58.8732

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.4015, 52.3811, 102.5362 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(44, 207, 255)` looks like.

```
.text, #text, p{  
    color:rgb(44, 207, 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(44, 207, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 207, 255) }
```

Border

The CSS property to change the border of an element to XYZ 41.4015, 52.3811, 102.5362 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(44, 207, 255) }
```


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

```
.border{ border-color:rgb(44, 207, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 207, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 207, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 207, 255);  
box-shadow:4px 4px 4px 4px rgb(44, 207,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 41.4015, 52.3811, 102.5362 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 207, 255) }
```

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

```
.background{ background-color: rgb(44, 207,  
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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