

Converting Colors

XYZ(42.0057, 53.1033,
102.6438)

Have a look what the booklet for
XYZ(42.0057, 53.1033, 102.6438)
contains.

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Color

**XYZ(41.9711, 53.0356,
102.6325)**

Conversions

Conversions Part 1

Format	Color
Hex	33D0FF
RGB	51, 208, 255
RGB Percent	20%, 82%, 100%
CMY	0.7999, 0.1843, 0.0000
CMYK	0.80, 0.18, 0.00, 0.00
HSL	194°, 100%, 60%
HSV	194°, 80%, 100%
XYZ	41.9711, 53.0356, 102.6325
YIQ	166.4150, -108.6590, -18.6670

Conversions

Conversions Part 2

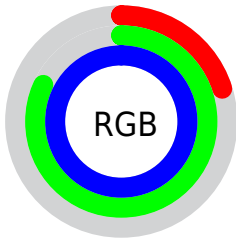
Format	Color
R_{YB}	51, 140, 255
Decimal	3395839
CIE _{Lab}	77.90, -23.97, -34.21
CIE _{LCh}	78, 41.772, 234.976
Yxy	53.0356, 0.2124, 0.2683
Android (android.graphics.Color)	4281585919 (0xFF33D0FF)
YUV	166.4150, 43.6724, -101.2190
Hunter-Lab	72.8255, -24.5709, -32.5791

Details

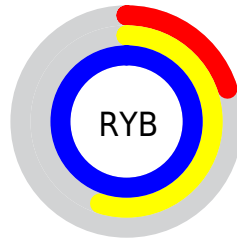
The XYZ color **41.9711, 53.0356, 102.6325** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **46.2070, 30.2374, 6.5350**, and the grayscale version is **36.2823, 38.1718, 41.5690**.

A 20% lighter version of the original color is **63.0159, 83.4858, 107.4008**, and **21.5843, 26.8597, 57.4729** is the 20% darker color. If you saturate the color by 10%, you get **39.6143, 49.7343, 102.1195**, and if you desaturate by 10%, it is **45.0875, 56.8092, 103.1966**.

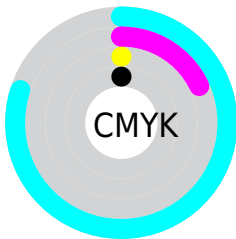
Distribution



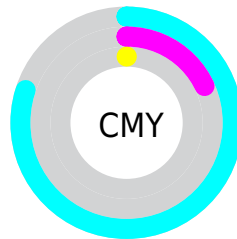
- Red (20%)
- Green (82%)
- Blue (100%)



- Red (20%)
- Yellow (55%)
- Blue (100%)



- Cyan (80%)
- Magenta (18%)
- Yellow (0%)
- Black (0%)



- Cyan (80%)
- Magenta (18%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.9711, 53.0356, 102.6325 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 41.9711, 53.0356, 102.6325 by changing the saturation by 10% instead.

41.9711, 53.0356,
102.6325

41.9711, 53.0356,
102.6325

345.3568,
398.4217, 589.9187

29.2697, 37.8312,
77.8718

77.4213, 94.6568,
166.8535

19.4302, 25.8517,
57.4528

100.9008,
121.8423, 207.1508

12.0874, 16.7127,
40.9571

128.7037,
153.7903, 253.4641

6.8759, 10.0299,
27.9661

161.1954,
190.8852, 306.2119

3.4302, 5.4188,
18.0613

198.7412,
233.5114, 365.8127

1.3851, 2.4950,
10.8241

241.7064,

0.2456, 0.8741,

282.0533, 432.6851

5.8360

290.4565,
336.8953, 507.2476

■ 0.0000, 0.0000,
2.6785

■ 0.0000, 0.0000,
0.9326

■ 41.9711, 53.0356,
102.6325

■ 41.9711, 53.0356,
102.6325

■ 39.6143, 49.7343,
102.1195

■ 45.0875, 56.8092,
103.1966

■ 37.8472, 46.8140,
101.6490

■ 49.0600, 61.1027,
103.8160

■ 37.8460, 46.8120,
101.6487

■ 53.9751, 65.9627,
104.4950

■ 59.9073, 71.4281,
105.2373

■ 66.9231, 77.5342,
106.0461

■ 75.0833, 84.3131,
106.9245

■ 84.4441, 91.7944,
107.8752

■ 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.



37.5426, 53.0356, 78.7524



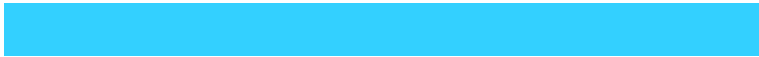
41.9711, 53.0356, 102.6325



49.0543, 53.0356, 114.7019

Triad

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



41.9711, 53.0356, 102.6325



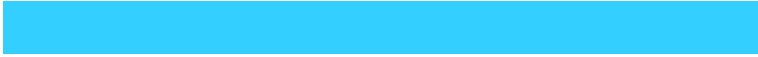
67.6103, 53.0356, 61.7502



44.1013, 53.0356, 25.9650

Complementary

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



41.9711, 53.0356, 102.6325



46.2070, 30.2374, 6.5350

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.



51.7879, 53.0356, 23.6827



41.9711, 53.0356, 102.6325



65.9223, 53.0356, 40.8539

Square

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



41.9711, 53.0356, 102.6325



64.3013, 53.0356, 87.3877



59.9076, 53.0356, 28.3309



38.6769, 53.0356, 35.7039

Rectangle

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



41.9711, 53.0356, 102.6325



54.5507, 53.0356, 112.5871



59.9076, 53.0356, 28.3309



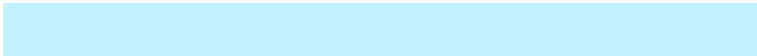
46.4819, 53.0356, 24.4338

Sweetspot

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



41.9727, 53.0374, 102.6328



71.6724, 81.5141, 106.5640



39.2014, 73.0544, 22.9123



14.7257, 16.9346, 22.7425



0.0000, 0.0000, 0.0000



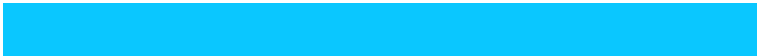
20.3446, 21.4041, 23.3091

Same Dimension

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



41.9727, 53.0374, 102.6328



38.5088, 47.9481, 101.8330



24.8648, 18.8216, 96.9302



18.1792, 19.7300, 23.1001



19.8942, 24.6980, 53.1532



2.0192, 2.5691, 5.2027

Inverse Universe

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



53.8101, 28.1834, 62.2802



51.6129, 25.5863, 56.0070



61.8508, 61.5249, 11.7496



18.6031, 18.2245, 21.7930



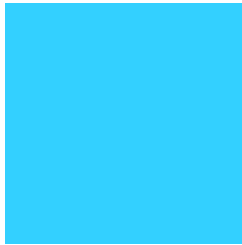
26.8299, 13.2212, 28.8183



2.6538, 1.3039, 3.0244

Previews

White Background



This preview shows how the XYZ color 41.9711, 53.0356, 102.6325 looks on a white background.

Color Contrast Check

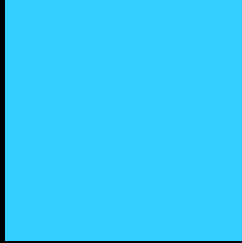
Large Text (above 18pt) WCAG AA × Fail

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 41.9711, 53.0356, 102.6325 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

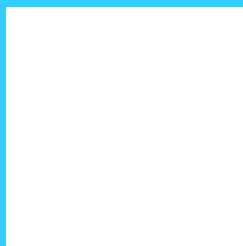
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.9711, 53.0356, 102.6325

Background



This preview shows how black text looks on a background with the XYZ color 41.9711, 53.0356, 102.6325.



This preview shows how white text looks on a background with the XYZ color 41.9711, 53.0356,

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

41.9711, 53.0356, 102.6325

Protanopia

52.4349, 52.2110, 90.5332

Deuteranopia

53.2609, 52.3858, 101.9121



Tritanopia

37.8264, 52.8001, 83.0607

Trichromacy



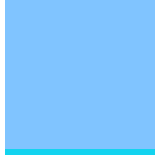
Original Color

41.9711, 53.0356, 102.6325



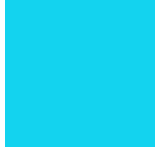
Protanomaly

45.8902, 51.0392, 94.6217



Deuteranomaly

46.6920, 51.2890, 102.0466



Tritanomaly

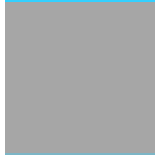
39.1428, 52.9590, 89.8204

Monochromacy



Original Color

41.9711, 53.0356, 102.6325



Achromatopsia

36.2450, 38.1326, 41.5264



Achromatomaly

35.0291, 41.4101, 59.5728

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.9711, 53.0356, 102.6325 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, 208, 255)` looks like.

```
.text, #text, p{  
    color:rgb(51, 208, 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, 208, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 208, 255) }
```

Border

The CSS property to change the border of an element to XYZ 41.9711, 53.0356, 102.6325 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, 208, 255) }
```


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

```
.border{ border-color:rgb(51, 208, 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, 208, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 208, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 208, 255);  
box-shadow:4px 4px 4px 4px rgb(51, 208,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 41.9711, 53.0356, 102.6325 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 208, 255) }
```

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

```
.background{ background-color: rgb(51, 208,  
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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