

Converting Colors

XYZ(38.0619, 52.2236, 86.3687)

Have a look what the booklet for
XYZ(38.0619, 52.2236, 86.3687)
contains.

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Color

**XYZ(38.0420, 52.0913,
86.6469)**

Conversions

Conversions Part 1

Format	Color
Hex	00D2EB
RGB	0, 210, 235
RGB Percent	0%, 82%, 92%
CMY	0.9997, 0.1765, 0.0784
CMYK	1.00, 0.11, 0.00, 0.08
HSL	186°, 100%, 46%
HSV	186°, 100%, 92%
XYZ	38.0420, 52.0913, 86.6469
YIQ	150.0600, -133.1850, -36.7450

Conversions

Conversions Part 2

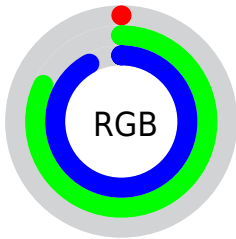
Format	Color
RYB	0, 111, 235
Decimal	53995
CIELab	77.34, -33.83, -24.41
CIElCh	77, 41.719, 215.816
Yxy	52.0913, 0.2152, 0.2947
Android (android.graphics.Color)	4278244075 (0xFF00D2EB)
YUV	150.0600, 41.8754, -131.6026
Hunter-Lab	72.1743, -32.2203, -20.6570

Details

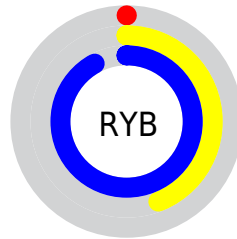
The XYZ color **38.0420, 52.0913, 86.6469** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **34.6108, 18.3606, 1.7217**, and the grayscale version is **28.8923, 30.3969, 33.1022**.

A 20% lighter version of the original color is **60.4921, 82.1847, 107.2827**, and **19.8580, 26.6974, 46.7543** is the 20% darker color. If you saturate the color by 10%, you get **38.0411, 52.0893, 86.6476**, and if you desaturate by 10%, it is **39.0315, 53.5261, 86.8727**.

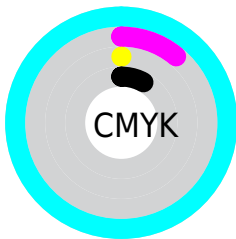
Distribution



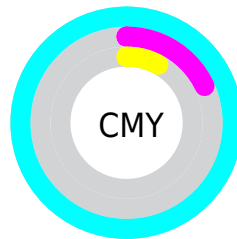
- Red (0%)
- Green (82%)
- Blue (92%)



- Red (0%)
- Yellow (44%)
- Blue (92%)



- Cyan (100%)
- Magenta (11%)
- Yellow (0%)
- Black (8%)



- Cyan (100%)
- Magenta (18%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.0420, 52.0913, 86.6469 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 38.0420, 52.0913, 86.6469 by changing the saturation by 10% instead.

38.0420, 52.0913,
86.6469

38.0420, 52.0913,
86.6469

329.0778,
394.7890, 537.3479

26.1926, 37.0779,
64.6451

71.4760, 93.2659,
144.5664

17.1013, 25.2678,
46.7238

93.7913, 120.1958,
181.3212

10.4025, 16.2767,
32.4646

120.3261,
151.8667, 223.8306

5.7309, 9.7201,
21.4489

151.4455,
188.6629, 272.5134

2.7213, 5.2138,
13.2581

187.5151,
230.9688, 327.7880

1.0081, 2.3732,
7.4737

228.9001,

0.0000, 0.8121,

279.1689, 390.0729

3.6772

275.9659,
333.6475, 459.7867

■ 0.0000, 0.0000,
1.4500

■ 0.0000, 0.0000,
0.1802

■ 38.0420, 52.0913,
86.6469

■ 38.0420, 52.0913,
86.6469

■ 38.0411, 52.0893,
86.6476

■ 39.0315, 53.5261,
86.8727

■ 40.4724, 55.2070,
87.1212

■ 42.5055, 57.2077,
87.4002

■ 45.2131, 59.5705,
87.7136

■ 48.6639, 62.3311,
88.0645

■ 52.9184, 65.5206,
88.4559

■ 58.0307, 69.1670,
88.8903

■ 64.0501, 73.2959,
89.3700

■ 71.0223, 77.9307,
89.8972

Harmonies

Analogous

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



35.7142, 52.0913, 61.3074



38.0420, 52.0913, 86.6469



43.4655, 52.0913, 107.2265

Triad

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



38.0420, 52.0913, 86.6469



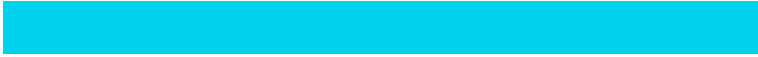
64.9333, 52.0913, 76.7769



47.9666, 52.0913, 23.1788

Complementary

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



38.0420, 52.0913, 86.6469



34.6108, 18.3606, 1.7217

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.



56.0930, 52.0913, 25.2442



38.0420, 52.0913, 86.6469



66.4699, 52.0913, 52.3646

Square

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



38.0420, 52.0913, 86.6469



59.0828, 52.0913, 100.5359



63.0810, 52.0913, 34.6227



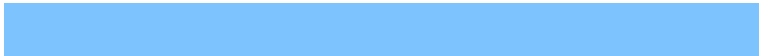
41.0336, 52.0913, 27.9408

Rectangle

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



38.0420, 52.0913, 86.6469



48.3960, 52.0913, 113.0689



63.0810, 52.0913, 34.6227



50.6434, 52.0913, 23.1185

Sweetspot

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



38.0437, 52.0932, 86.6482



69.7430, 83.1801, 106.9873



29.8699, 59.4820, 10.7472



14.3438, 17.3921, 22.8510



0.0000, 0.0000, 0.0000



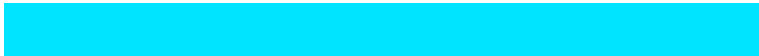
20.3446, 21.4041, 23.3091

Same Dimension

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



38.0437, 52.0932, 86.6482



45.7566, 62.6332, 104.2855



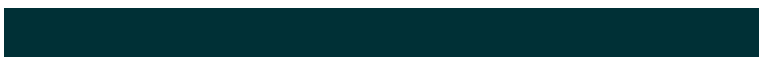
19.0027, 14.0113, 80.3012



15.3728, 16.8321, 19.3609



21.2281, 29.1032, 48.2416



1.7062, 2.3639, 3.8012

Inverse Universe

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



45.8953, 22.3171, 62.8632



55.2250, 26.8540, 75.5741



43.7907, 36.7204, 4.7816



15.6417, 15.2845, 18.6646



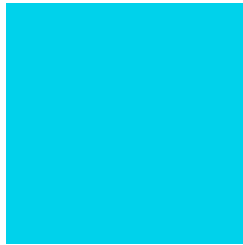
25.5703, 12.4308, 35.1340



2.0277, 0.9841, 2.8634

Previews

White Background



This preview shows how the XYZ color 38.0420, 52.0913, 86.6469 looks on a white background.

Color Contrast Check

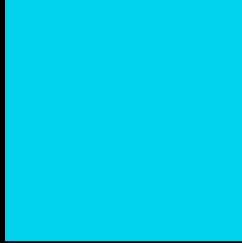
Large Text (above 18pt) WCAG AA × Fail

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 38.0420, 52.0913, 86.6469 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

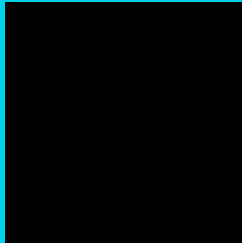
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.0420, 52.0913, 86.6469

Background



This preview shows how black text looks on a background with the XYZ color 38.0420, 52.0913, 86.6469.



This preview shows how white text looks on a background with the XYZ color 38.0420, 52.0913,

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

38.0420, 52.0913, 86.6469

Protanopia

50.6687, 51.3241, 74.9462

Deuteranopia

52.3431, 51.2328, 89.5682



Tritanopia

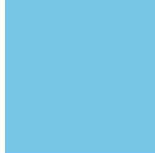
37.2979, 52.1900, 81.5067

Trichromacy



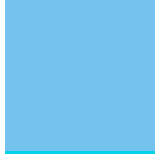
Original Color

38.0420, 52.0913, 86.6469



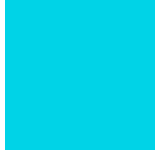
Protanomaly

40.6667, 48.6980, 78.4905



Deuteranomaly

42.0180, 48.8481, 88.1030



Tritanomaly

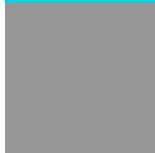
37.7181, 52.3581, 83.7195

Monochromacy



Original Color

38.0420, 52.0913, 86.6469



Achromatopsia

28.9890, 30.4987, 33.2131



Achromatomaly

27.8123, 35.2741, 49.0588

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.0420, 52.0913, 86.6469 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(0, 210, 235)` looks like.

```
.text, #text, p{  
    color:rgb(0, 210, 235)  
}
```

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(0, 210, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 210, 235) }
```

Border

The CSS property to change the border of an element to XYZ 38.0420, 52.0913, 86.6469 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(0, 210, 235) }
```


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

```
.border{ border-color:rgb(0, 210, 235) }
```

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

Here you see how a box with a 4 pixel rgb(0, 210, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 210, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 210, 235);  
box-shadow:4px 4px 4px 4px rgb(0, 210,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 38.0420, 52.0913, 86.6469 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 210, 235) }
```

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

```
.background{ background-color: rgb(0, 210,  
235) }
```

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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