

Converting Colors

XYZ(38.6263, 51.1987, 88.4917)

Have a look what the booklet for
XYZ(38.6263, 51.1987, 88.4917)
contains.

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Color

**XYZ(38.7003, 51.2909,
88.7493)**

Conversions

Conversions Part 1

Format	Color
Hex	2ACFEE
RGB	42, 207, 238
RGB Percent	16%, 81%, 93%
CMY	0.8352, 0.1882, 0.0667
CMYK	0.82, 0.13, 0.00, 0.07
HSL	189°, 85%, 55%
HSV	189°, 82%, 93%
XYZ	38.7003, 51.2909, 88.7493
YIQ	161.1990, -108.2910, -25.3390

Conversions

Conversions Part 2

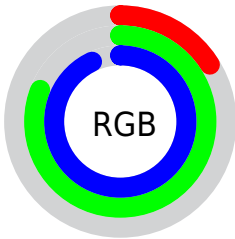
Format	Color
RYP	42, 132, 238
Decimal	2805742
CIELab	76.85, -29.65, -26.73
CIELCh	77, 39.916, 222.039
Yxy	51.2909, 0.2165, 0.2870
Android (android.graphics.Color)	4280995822 (0xFF2ACFEE)
YUV	161.1990, 37.8629, -104.5375
Hunter-Lab	71.6177, -28.8742, -23.3404

Details

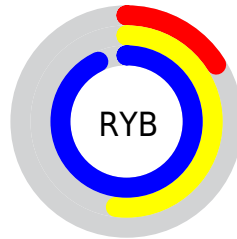
The XYZ color **38.7003, 51.2909, 88.7493** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **38.0624, 23.1123, 4.6475**, and the grayscale version is **33.8378, 35.6000, 38.7684**.

A 20% lighter version of the original color is **61.9784, 82.9510, 107.3523**, and **19.6717, 25.8339, 48.2056** is the 20% darker color. If you saturate the color by 10%, you get **37.0986, 49.1283, 88.4173**, and if you desaturate by 10%, it is **40.9040, 53.7981, 89.1181**.

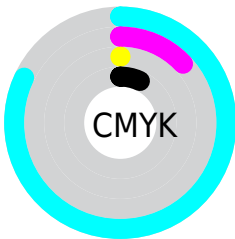
Distribution



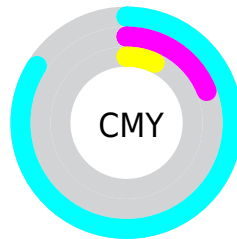
- Red (16%)
- Green (81%)
- Blue (93%)



- Red (16%)
- Yellow (52%)
- Blue (93%)



- Cyan (82%)
- Magenta (13%)
- Yellow (0%)
- Black (7%)





- Cyan (84%)
- Magenta (19%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.7003, 51.2909, 88.7493 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 38.7003, 51.2909, 88.7493 by changing the saturation by 10% instead.


 38.7003, 51.2909,
88.7493


 38.7003, 51.2909,
88.7493


331.8438,
391.6929, 544.4187


 26.7063, 36.4402,
66.3759


 72.4773, 92.0846,
147.5202

 17.4882, 24.7743,
48.1192


 94.9910, 118.7964,
184.7548


 10.6807, 15.9090,
33.5607


 121.7420,
150.2307, 227.7802

 5.9182, 9.4598,
22.2817

 153.0956,
186.7718, 277.0150

 2.8356, 5.0423,
13.8637

 189.4173,
228.8042, 332.8777

 1.0674, 2.2721,
7.8883

231.0723,

 0.0000, 0.7589,

276.7123, 395.7869

3.9368

278.4260,
330.8804, 466.1610

■ 0.0000, 0.0000,
1.5907

■ 0.0000, 0.0000,
0.2842

■ 38.7003, 51.2909,
88.7493

■ 38.7003, 51.2909,
88.7493

■ 37.0986, 49.1283,
88.4173

■ 40.9040, 53.7981,
89.1181

■ 36.1697, 47.6468,
88.1803

■ 43.7939, 56.6905,
89.5241

■ 47.4455, 60.0084,
89.9720

■ 51.9231, 63.7850,
90.4650

■ 57.2840, 68.0501,
91.0057

■ 63.5802, 72.8308,
91.5966

■ 70.8597, 78.1519,
92.2400

■ 79.1673, 84.0368,
92.9380

■ 88.0936, 90.2746,
93.6716

Harmonies

Analogous

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



35.8316, 51.2909, 65.0206



38.7003, 51.2909, 88.7493



44.3895, 51.2909, 105.7534

Triad

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



38.7003, 51.2909, 88.7493



63.9833, 51.2909, 69.7444



45.7711, 51.2909, 24.1455

Complementary

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



38.7003, 51.2909, 88.7493



38.0624, 23.1123, 4.6475

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.



53.3881, 51.2909, 24.7899



38.7003, 51.2909, 88.7493



64.4520, 51.2909, 47.5797

Square

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



38.7003, 51.2909, 88.7493



59.1843, 51.2909, 92.9706



60.4054, 51.2909, 32.2851



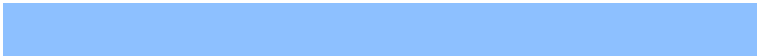
39.6211, 51.2909, 30.2132

Rectangle

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



38.7003, 51.2909, 88.7493



49.2712, 51.2909, 108.8588



60.4054, 51.2909, 32.2851



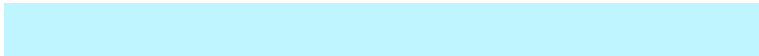
48.2334, 51.2909, 23.6389

Sweetspot

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



38.7020, 51.2927, 88.7506



72.2260, 83.5831, 106.9342



32.6814, 62.1028, 16.2964



14.8995, 17.4660, 22.8359



0.0000, 0.0000, 0.0000



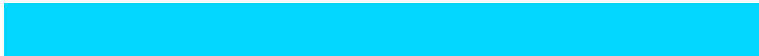
20.3446, 21.4041, 23.3091

Same Dimension

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



38.7020, 51.2927, 88.7506



42.4001, 55.8727, 103.1575



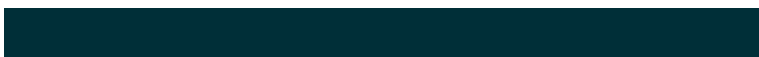
22.0309, 17.9506, 83.1935



16.0221, 17.4782, 20.2508



20.2580, 26.7403, 49.2216



1.7419, 2.3377, 4.1136

Inverse Universe

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



47.3518, 24.3399, 61.2355



53.5424, 26.2252, 66.5768



49.9426, 46.8727, 8.6075



16.3406, 15.9859, 19.3497



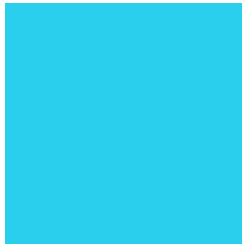
25.5509, 12.4928, 31.8815



2.1542, 1.0507, 2.8026

Previews

White Background



This preview shows how the XYZ color 38.7003, 51.2909, 88.7493 looks on a white background.

Color Contrast Check

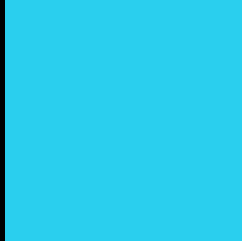
Large Text (above 18pt) WCAG AA × Fail

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 38.7003, 51.2909, 88.7493 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 38.7003, 51.2909, 88.7493

Background



This preview shows how black text looks on a background with the XYZ color 38.7003, 51.2909, 88.7493.

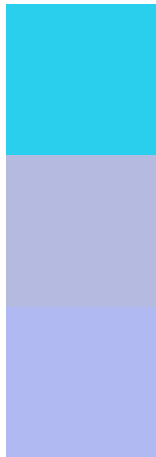


This preview shows how white text looks on a background with the XYZ color 38.7003, 51.2909,

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

38.7003, 51.2909, 88.7493

Protanopia

49.8358, 50.2029, 77.5845

Deuteranopia

51.6581, 50.5161, 91.8219



Tritanopia

36.9046, 51.2861, 79.9056

Trichromacy



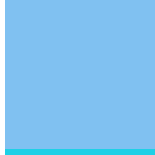
Original Color

38.7003, 51.2909, 88.7493



Protanomaly

42.6406, 48.9865, 81.3367



Deuteranomaly

43.8492, 49.0800, 90.3814



Tritanomaly

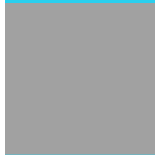
37.4039, 51.1162, 82.7579

Monochromacy



Original Color

38.7003, 51.2909, 88.7493



Achromatopsia

33.8758, 35.6400, 38.8120



Achromatomaly

32.5769, 39.3665, 54.0256

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.7003, 51.2909, 88.7493 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(42, 207, 238)` looks like.

```
.text, #text, p{  
    color:rgb(42, 207, 238)  
}
```

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(42, 207, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 207, 238) }
```

Border

The CSS property to change the border of an element to XYZ 38.7003, 51.2909, 88.7493 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(42, 207, 238) }
```


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

```
.border{ border-color:rgb(42, 207, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 207, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 207, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 207, 238);  
box-shadow:4px 4px 4px 4px rgb(42, 207,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 38.7003, 51.2909, 88.7493 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 207, 238) }
```

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

```
.background{ background-color: rgb(42, 207,  
238) }
```

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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