

Converting Colors

XYZ(38.0029, 52.8788, 83.5950)

Have a look what the booklet for
XYZ(38.0029, 52.8788, 83.5950)
contains.

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Color

**XYZ(38.0424, 52.8952,
83.8061)**

Conversions

Conversions Part 1

Format	Color
Hex	06D4E7
RGB	6, 212, 231
RGB Percent	2%, 83%, 91%
CMY	0.9762, 0.1686, 0.0941
CMYK	0.97, 0.08, 0.00, 0.09
HSL	185°, 95%, 46%
HSV	185°, 97%, 91%
XYZ	38.0424, 52.8952, 83.8061
YIQ	152.5720, -128.8750, -37.7630

Conversions

Conversions Part 2

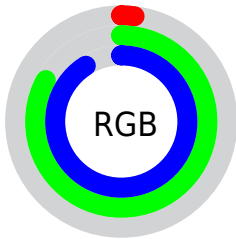
Format	Color
RYB	6, 114, 231
Decimal	447719
CIELab	77.81, -35.89, -21.54
CIELCh	78, 41.856, 210.975
Yxy	52.8952, 0.2177, 0.3027
Android (android.graphics.Color)	4278637799 (0xFF06D4E7)
YUV	152.5720, 38.6650, -128.5436
Hunter-Lab	72.7291, -33.9079, -17.4098

Details

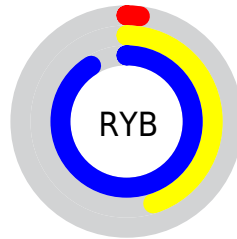
The XYZ color **38.0424, 52.8952, 83.8061** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **33.3376, 17.7003, 1.8335**, and the grayscale version is **29.9787, 31.5399, 34.3469**.

A 20% lighter version of the original color is **60.4921, 82.1847, 107.2827**, and **19.7948, 27.2091, 44.7660** is the 20% darker color. If you saturate the color by 10%, you get **37.8404, 52.6024, 83.7612**, and if you desaturate by 10%, it is **38.9702, 54.1030, 83.9913**.

Distribution



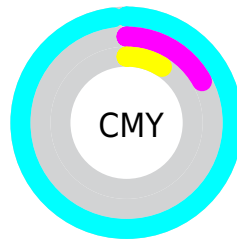
- Red (2%)
- Green (83%)
- Blue (91%)



- Red (2%)
- Yellow (45%)
- Blue (91%)



- Cyan (97%)
- Magenta (8%)
- Yellow (0%)
- Black (9%)



- Cyan (98%)
- Magenta (17%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.0424, 52.8952, 83.8061 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 38.0424, 52.8952, 83.8061 by changing the saturation by 10% instead.

38.0424, 52.8952,
83.8061

38.0424, 52.8952,
83.8061

329.0795,
397.8829, 527.7103

26.1930, 37.7191,
62.3109

71.4766, 94.4501,
140.5632

17.1015, 25.7648,
44.8465

93.7921, 121.5978,
176.6622

10.4026, 16.6477,
30.9945

120.3269,
153.5047, 218.4662

5.7310, 9.9837,
20.3362

151.4465,
190.5554, 266.3938

2.7213, 5.3881,
12.4532

187.5163,
233.1341, 320.8634

1.0082, 2.4767,
6.9268

228.9014,

0.0000, 0.8650,

281.6254, 382.2937

3.3386

275.9674,
336.4135, 451.1032

■ 0.0000, 0.0000,
1.2700

■ 0.0000, 0.0000,
0.0370

■ 38.0424, 52.8952,
83.8061

■ 38.0424, 52.8952,
83.8061

■ 37.8404, 52.6024,
83.7612

■ 38.9702, 54.1030,
83.9913

■ 40.3852, 55.5697,
84.1999

■ 42.3881, 57.3483,
84.4376

■ 45.0536, 59.4772,
84.7080

■ 48.4452, 61.9894,
85.0142

■ 52.6192, 64.9138,
85.3587

■ 57.6260, 68.2765,
85.7438

■ 63.5119, 72.1013,
86.1719

■ 70.3198, 76.4104,
86.6448

Harmonies

Analogous

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



36.2253, 52.8952, 58.3579



38.0424, 52.8952, 83.8061



43.0744, 52.8952, 106.2041

Triad

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



38.0424, 52.8952, 83.8061



65.1995, 52.8952, 82.1257



50.0102, 52.8952, 23.4579

Complementary

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



38.0424, 52.8952, 83.8061



33.3376, 17.7003, 1.8335

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.



58.2370, 52.8952, 26.6768



38.0424, 52.8952, 83.8061



67.5564, 52.8952, 56.8366

Square

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



38.0424, 52.8952, 83.8061



58.7459, 52.8952, 105.0644



64.8842, 52.8952, 37.5111



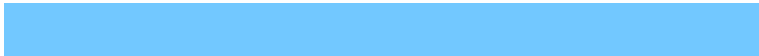
42.6608, 52.8952, 27.1348

Rectangle

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



38.0424, 52.8952, 83.8061



47.8658, 52.8952, 113.9994



64.8842, 52.8952, 37.5111



52.7644, 52.8952, 23.7598

Sweetspot

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



38.0441, 52.8971, 83.8074



70.9175, 84.6493, 107.2089



28.8256, 57.2611, 10.4420



14.5937, 17.7267, 22.9024



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.



38.0441, 52.8971, 83.8074



47.3200, 65.7601, 104.8067



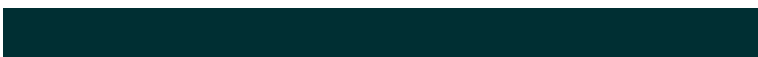
19.0366, 14.8821, 77.4716



14.6979, 16.1171, 18.4806



21.2588, 29.5796, 46.9722



1.6018, 2.2475, 3.4814

Inverse Universe

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



44.9053, 21.8744, 64.1447



56.0142, 27.1697, 79.7297



41.9737, 34.9725, 4.7122



14.9398, 14.5931, 17.8836



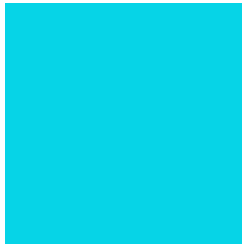
25.1239, 12.1838, 35.8773



1.8721, 0.9066, 2.7332

Previews

White Background



This preview shows how the XYZ color 38.0424, 52.8952, 83.8061 looks on a white background.

Color Contrast Check

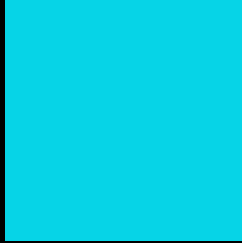
Large Text (above 18pt) WCAG AA × Fail

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 38.0424, 52.8952, 83.8061 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

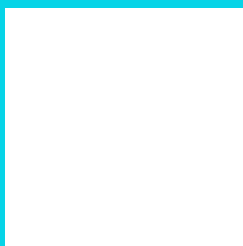
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.0424, 52.8952, 83.8061

Background



This preview shows how black text looks on a background with the XYZ color 38.0424, 52.8952, 83.8061.

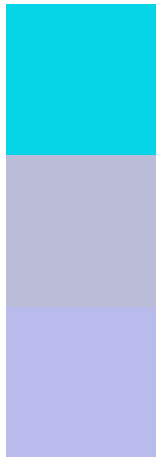


This preview shows how white text looks on a background with the XYZ color 38.0424, 52.8952,

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

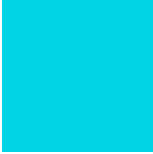
38.0424, 52.8952, 83.8061

Protanopia

51.0858, 51.9179, 72.2944

Deuteranopia

53.3061, 52.0942, 87.3664



Tritanopia

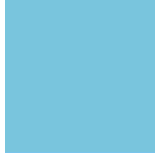
37.6863, 52.7441, 82.3231

Trichromacy



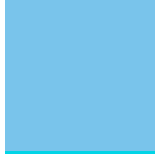
Original Color

38.0424, 52.8952, 83.8061



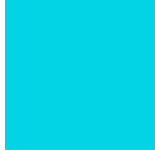
Protanomaly

40.9026, 49.2179, 75.7508



Deuteranomaly

42.6205, 49.5430, 85.9137



Tritanomaly

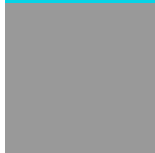
37.8514, 52.8130, 83.0619

Monochromacy



Original Color

38.0424, 52.8952, 83.8061



Achromatopsia

30.2779, 31.8547, 34.6897



Achromatomaly

28.7321, 36.3176, 49.2117

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.0424, 52.8952, 83.8061 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(6, 212, 231)` looks like.

```
.text, #text, p{  
    color:rgb(6, 212, 231)  
}
```

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(6, 212, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 212, 231) }
```

Border

The CSS property to change the border of an element to XYZ 38.0424, 52.8952, 83.8061 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(6, 212, 231) }
```


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

```
.border{ border-color:rgb(6, 212, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(6, 212, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 212, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(6, 212, 231);  
box-shadow:4px 4px 4px 4px rgb(6, 212,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 38.0424, 52.8952, 83.8061 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 212, 231) }
```

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

```
.background{ background-color: rgb(6, 212,  
231) }
```

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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