

Converting Colors

XYZ(38.3041, 53.8770, 82.8453)

Have a look what the booklet for
XYZ(38.3041, 53.8770, 82.8453)
contains.

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Color

**XYZ(38.1894, 53.7503,
82.4908)**

Conversions

Conversions Part 1

Format	Color
Hex	00D6E5
RGB	0, 214, 229
RGB Percent	0%, 84%, 90%
CMY	0.9998, 0.1608, 0.1020
CMYK	1.00, 0.07, 0.00, 0.10
HSL	184°, 100%, 45%
HSV	184°, 100%, 90%
XYZ	38.1894, 53.7503, 82.4908
YIQ	151.7240, -132.3590, -40.7030

Conversions

Conversions Part 2

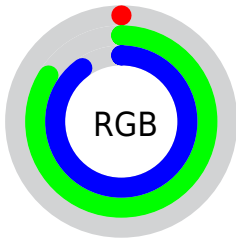
Format	Color
RYB	0, 111, 229
Decimal	55013
CIELab	78.32, -37.58, -19.71
CIELCh	78, 42.436, 207.677
Yxy	53.7503, 0.2189, 0.3081
Android (android.graphics.Color)	4278245093 (0xFF00D6E5)
YUV	151.7240, 38.0971, -133.0619
Hunter-Lab	73.3146, -35.3203, -15.3906

Details

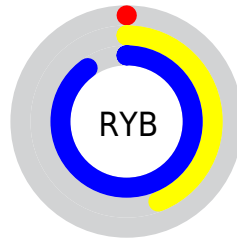
The XYZ color **38.1894, 53.7503, 82.4908** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **32.4854, 17.0015, 1.5711**, and the grayscale version is **29.6159, 31.1583, 33.9313**.

A 20% lighter version of the original color is **60.4921, 82.1847, 107.2827**, and **20.0381, 27.8523, 44.3643** is the 20% darker color. If you saturate the color by 10%, you get **38.1895, 53.7500, 82.4918**, and if you desaturate by 10%, it is **38.9242, 54.6964, 82.6357**.

Distribution



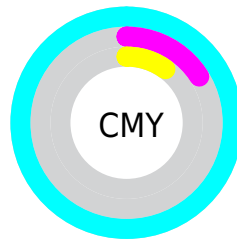
- Red (0%)
- Green (84%)
- Blue (90%)



- Red (0%)
- Yellow (44%)
- Blue (90%)



- Cyan (100%)
- Magenta (7%)
- Yellow (0%)
- Black (10%)



- Cyan (100%)
- Magenta (16%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.1894, 53.7503, 82.4908 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 38.1894, 53.7503, 82.4908 by changing the saturation by 10% instead.

38.1894, 53.7503,
82.4908

38.1894, 53.7503,
82.4908

329.6986,
401.1571, 523.2144

26.3076, 38.4021,
61.2320

71.7004, 95.7075,
138.7049

17.1878, 26.2949,
43.9807

94.0603, 123.0853,
174.4973

10.4646, 17.0444,
30.3182

120.6436,
155.2417, 215.9713

5.7727, 10.2661,
19.8262

151.8156,
192.5611, 263.5455

2.7467, 5.5758,
12.0859

187.9418,
235.4280, 317.6383

1.0213, 2.5889,
6.6790

229.3874,

0.0000, 0.9211,

284.2267, 378.6684

3.1868

276.5179,
339.3416, 447.0542

■ 0.0000, 0.0000,
1.1908

■ 0.0000, 0.0000,
0.0000

■ 38.1894, 53.7503,
82.4908

■ 38.1894, 53.7503,
82.4908

■ 38.1895, 53.7500,
82.4918

■ 38.9242, 54.6964,
82.6357

■ 40.0770, 55.8622,
82.8000

■ 41.7823, 57.3180,
82.9911

■ 44.1166, 59.1033,
83.2127

■ 47.1448, 61.2515,
83.4677

■ 50.9234, 63.7919,
83.7589

■ 55.5031, 66.7505,
84.0886

■ 60.9303, 70.1513,
84.4590

■ 67.2477, 74.0163,
84.8720

Harmonies

Analogous

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



36.7120, 53.7503, 56.6872



38.1894, 53.7503, 82.4908



43.0023, 53.7503, 106.4099

Triad

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



38.1894, 53.7503, 82.4908



65.8352, 53.7503, 86.6014



51.7393, 53.7503, 23.6438

Complementary

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



38.1894, 53.7503, 82.4908



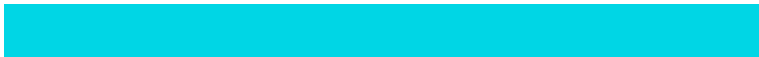
32.4854, 17.0015, 1.5711

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.



60.1287, 53.7503, 27.7170



38.1894, 53.7503, 82.4908



68.7987, 53.7503, 60.4020

Square

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



38.1894, 53.7503, 82.4908



58.8852, 53.7503, 109.2007



66.6061, 53.7503, 39.7184



44.0115, 53.7503, 26.6038

Rectangle

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



38.1894, 53.7503, 82.4908



47.7491, 53.7503, 115.6700



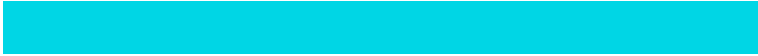
66.6061, 53.7503, 39.7184



54.5792, 53.7503, 24.2045

Sweetspot

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



38.1911, 53.7523, 82.4921



70.7071, 85.1083, 107.3086



28.0838, 56.0651, 9.6736



14.5780, 17.8605, 22.9290



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.



38.1911, 53.7523, 82.4921



48.7104, 68.5409, 105.2701



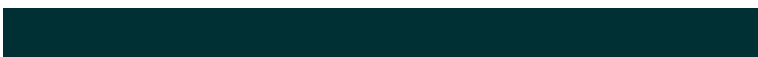
19.0021, 15.3743, 76.0958



14.7224, 16.1661, 18.4888



21.8695, 30.8010, 47.1757



1.6406, 2.3251, 3.4943

Inverse Universe

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



44.4521, 21.5147, 65.4302



56.7160, 27.4504, 83.4254



39.7716, 31.5739, 3.9998



14.9522, 14.5981, 17.9487



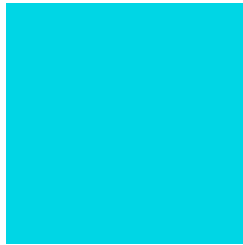
25.4322, 12.3071, 37.5005



1.8917, 0.9144, 2.8363

Previews

White Background



This preview shows how the XYZ color 38.1894, 53.7503, 82.4908 looks on a white background.

Color Contrast Check

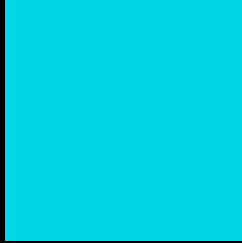
Large Text (above 18pt) WCAG AA × Fail

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 38.1894, 53.7503, 82.4908 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

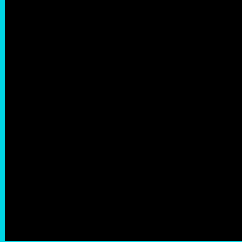
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.1894, 53.7503, 82.4908

Background



This preview shows how black text looks on a background with the XYZ color 38.1894, 53.7503, 82.4908.

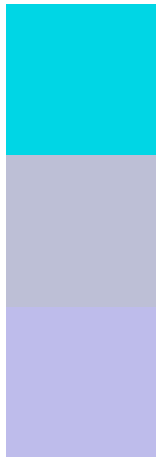


This preview shows how white text looks on a background with the XYZ color 38.1894, 53.7503,

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

38.1894, 53.7503, 82.4908

Protanopia

51.7547, 52.9355, 71.1081

Deuteranopia

54.2138, 52.9117, 85.9529



Tritanopia

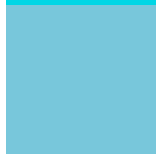
38.6841, 53.9728, 83.9802

Trichromacy



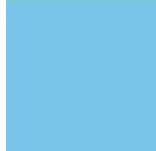
Original Color

38.1894, 53.7503, 82.4908



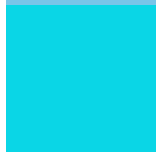
Protanomaly

40.9553, 49.9544, 74.5014



Deuteranomaly

42.5594, 49.8806, 84.4756



Tritanomaly

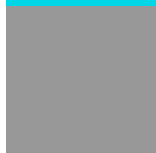
38.4547, 53.8708, 83.2342

Monochromacy



Original Color

38.1894, 53.7503, 82.4908



Achromatopsia

29.8446, 31.3989, 34.1934



Achromatomaly

28.4980, 36.4966, 48.7226

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.1894, 53.7503, 82.4908 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, 214, 229)` looks like.

```
.text, #text, p{  
    color:rgb(0, 214, 229)  
}
```

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, 214, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 214, 229) }
```

Border

The CSS property to change the border of an element to XYZ 38.1894, 53.7503, 82.4908 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, 214, 229) }
```


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

```
.border{ border-color:rgb(0, 214, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 214, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 214, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 214, 229);  
box-shadow:4px 4px 4px 4px rgb(0, 214,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 38.1894, 53.7503, 82.4908 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 214, 229) }
```

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

```
.background{ background-color: rgb(0, 214,  
229) }
```

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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