

Converting Colors

XYZ(38.4208, 55.9360, 75.7731)

Have a look what the booklet for
XYZ(38.4208, 55.9360, 75.7731)
contains.

XYZ(38.4270, 55.9369, 75.7894)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(38.4270, 55.9369,
75.7894)**

Conversions

Conversions Part 1

Format	Color
Hex	15DBDB
RGB	21, 219, 219
RGB Percent	8%, 86%, 86%
CMY	0.9175, 0.1412, 0.1412
CMYK	0.90, 0.00, 0.00, 0.14
HSL	180°, 82%, 47%
HSV	180°, 90%, 86%
XYZ	38.4270, 55.9369, 75.7894
YIQ	159.7980, -118.0080, -41.9760

Conversions

Conversions Part 2

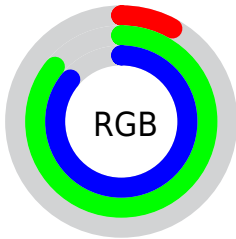
Format	Color
RYB	21, 120, 219
Decimal	1432539
CIELab	79.58, -42.26, -12.46
CIELCh	80, 44.055, 196.426
Yxy	55.9369, 0.2258, 0.3287
Android (android.graphics.Color)	4279622619 (0xFF15DBDB)
YUV	159.7980, 29.1866, -121.7258
Hunter-Lab	74.7910, -39.1723, -7.7278

Details

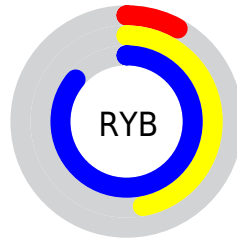
The XYZ color **38.4270, 55.9369, 75.7894** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **29.6188, 15.6525, 2.1714**, and the grayscale version is **33.2350, 34.9658, 38.0777**.

A 20% lighter version of the original color is **60.8802, 82.3848, 107.3009**, and **19.7980, 28.8747, 39.6519** is the 20% darker color. If you saturate the color by 10%, you get **38.1187, 55.7792, 75.7761**, and if you desaturate by 10%, it is **39.1123, 56.2914, 75.8229**.

Distribution



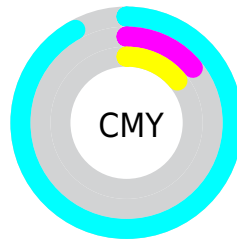
- Red (8%)
- Green (86%)
- Blue (86%)



- Red (8%)
- Yellow (47%)
- Blue (86%)



- Cyan (90%)
- Magenta (0%)
- Yellow (0%)
- Black (14%)



- Cyan (92%)
- Magenta (14%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.4270, 55.9369, 75.7894 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 38.4270, 55.9369, 75.7894 by changing the saturation by 10% instead.

38.4270, 55.9369,
75.7894

38.4270, 55.9369,
75.7894

330.6974,
409.4537, 499.9541

26.4930, 40.1523,
55.7542

72.0618, 98.9123,
129.1865

17.3274, 27.6573,
39.6032

94.4934, 126.8719,
163.3855

10.5650, 18.0675,
26.9179

121.1548,
159.6587, 203.1429

5.8402, 10.9985,
17.2797

152.4114,
197.6571, 248.8772

2.7879, 6.0658,
10.2700

188.6286,
241.2513, 301.0069

1.0426, 2.8851,
5.4704

230.1718,

0.0000, 1.0721,

290.8259, 359.9506

2.4623

277.4063,
346.7652, 426.1268

■ 0.0000, 0.0000,
0.8201

■ 0.0000, 0.0000,
0.0000

■ 38.4270, 55.9369,
75.7894

■ 38.4270, 55.9369,
75.7894

■ 38.1187, 55.7792,
75.7761

■ 39.1123, 56.2914,
75.8229

■ 40.2879, 56.8974,
75.8780

■ 42.0247, 57.7928,
75.9594

■ 44.3809, 59.0074,
76.0698

■ 47.4073, 60.5676,
76.2115

■ 51.1498, 62.4969,
76.3868

■ 55.6498, 64.8167,
76.5975

■ 60.9458, 67.5470,
76.8455

■ 67.0737, 70.7060,
77.1324

Harmonies

Analogous

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



38.2503, 55.9369, 50.1456



38.4270, 55.9369, 75.7894



42.2550, 55.9369, 103.5921

Triad

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



38.4270, 55.9369, 75.7894



66.5054, 55.9369, 101.1616



57.2707, 55.9369, 24.6932

Complementary

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



38.4270, 55.9369, 75.7894



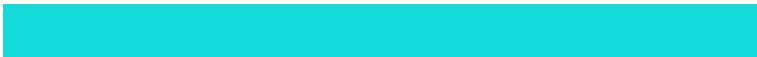
29.6188, 15.6525, 2.1714

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.



65.8109, 55.9369, 31.9282



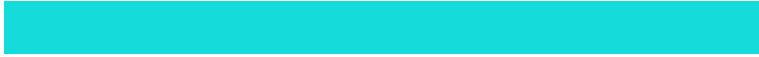
38.4270, 55.9369, 75.7894



71.5293, 55.9369, 73.1047

Square

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



38.4270, 55.9369, 75.7894



58.1368, 55.9369, 120.8014



71.2618, 55.9369, 48.1106



48.4876, 55.9369, 25.0396

Rectangle

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



38.4270, 55.9369, 75.7894



46.6326, 55.9369, 117.5431



71.2618, 55.9369, 48.1106



60.2835, 55.9369, 26.2089

Sweetspot

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



38.4287, 55.9390, 75.7907



74.0961, 89.1979, 107.9189



25.8527, 50.9172, 9.1766



15.4201, 18.8654, 23.0785



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.



38.4287, 55.9390, 75.7907



53.8097, 78.7399, 106.9683



20.2192, 19.5196, 69.7219



13.4449, 14.8296, 16.8059



22.6019, 33.0734, 44.9303



1.4643, 2.1427, 2.9108

Inverse Universe

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



29.6188, 15.6525, 2.1714



41.2400, 21.2600, 1.9301



35.6787, 27.7722, 4.1913



13.0561, 13.0515, 13.5567



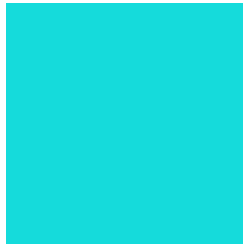
17.3222, 8.9299, 0.8107



1.1222, 0.5785, 0.0525

Previews

White Background



This preview shows how the XYZ color 38.4270, 55.9369, 75.7894 looks on a white background.

Color Contrast Check

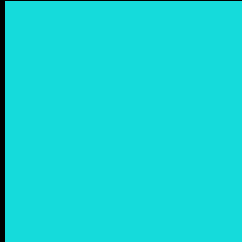
Large Text (above 18pt) WCAG AA × Fail

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 38.4270, 55.9369, 75.7894 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

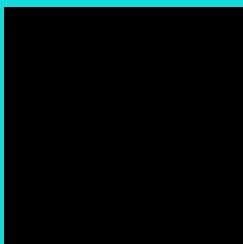
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

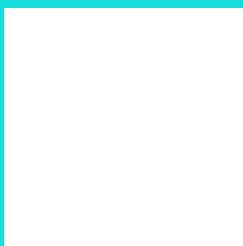
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.4270, 55.9369, 75.7894

Background



This preview shows how black text looks on a background with the XYZ color 38.4270, 55.9369, 75.7894.

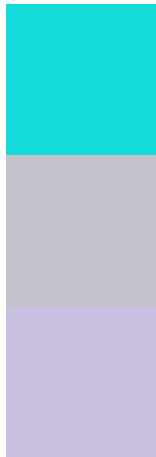


This preview shows how white text looks on a background with the XYZ color 38.4270, 55.9369,

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

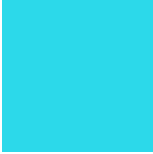
38.4270, 55.9369, 75.7894

Protanopia

52.9558, 54.6790, 64.8898

Deuteranopia

56.0408, 54.9772, 78.8922



Tritanopia

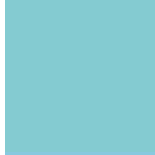
40.7028, 56.1017, 86.5253

Trichromacy



Original Color

38.4270, 55.9369, 75.7894



Protanomaly

42.3803, 52.2209, 68.1676



Deuteranomaly

44.1976, 52.2519, 77.5682



Tritanomaly

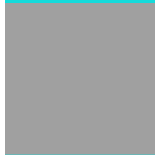
39.9418, 56.1750, 82.8665

Monochromacy



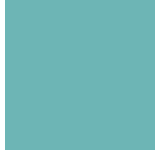
Original Color

38.4270, 55.9369, 75.7894



Achromatopsia

33.4132, 35.1533, 38.2819



Achromatomaly

31.1710, 39.6352, 49.7235

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.4270, 55.9369, 75.7894 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(21, 219, 219)` looks like.

```
.text, #text, p{  
    color:rgb(21, 219, 219)  
}
```

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(21, 219, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 219, 219) }
```

Border

The CSS property to change the border of an element to XYZ 38.4270, 55.9369, 75.7894 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(21, 219, 219) }
```


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

```
.border{ border-color:rgb(21, 219, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 219, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 219, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 219, 219);  
box-shadow:4px 4px 4px 4px rgb(21, 219,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 38.4270, 55.9369, 75.7894 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 219, 219) }
```

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

```
.background{ background-color: rgb(21, 219,  
219) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor