

Converting Colors

XYZ(38.2461, 55.0007, 74.0767)

Have a look what the booklet for
XYZ(38.2461, 55.0007, 74.0767)
contains.

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Color

**XYZ(38.3335, 55.1491,
74.2701)**

Conversions

Conversions Part 1

Format	Color
Hex	2BD9D9
RGB	43, 217, 217
RGB Percent	17%, 85%, 85%
CMY	0.8313, 0.1490, 0.1490
CMYK	0.80, 0.00, 0.00, 0.15
HSL	180°, 70%, 51%
HSV	180°, 80%, 85%
XYZ	38.3335, 55.1491, 74.2701
YIQ	164.9740, -103.7040, -36.8880

Conversions

Conversions Part 2

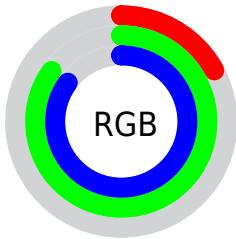
Format	Color
RYB	43, 130, 217
Decimal	2873817
CIELab	79.13, -40.61, -12.04
CIElCh	79, 42.361, 196.516
Yxy	55.1491, 0.2285, 0.3288
Android (android.graphics.Color)	4281063897 (0xFF2BD9D9)
YUV	164.9740, 25.6488, -106.9712
Hunter-Lab	74.2624, -37.8194, -7.3124

Details

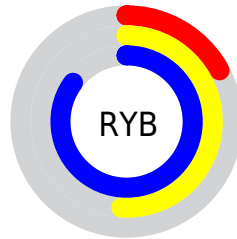
The XYZ color **38.3335, 55.1491, 74.2701** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **29.9170, 16.6556, 3.9251**, and the grayscale version is **35.6710, 37.5287, 40.8688**.

A 20% lighter version of the original color is **61.8360, 82.8776, 107.3456**, and **19.2665, 28.0984, 38.5905** is the 20% darker color. If you saturate the color by 10%, you get **37.6542, 54.8001, 74.2394**, and if you desaturate by 10%, it is **39.4995, 55.7514, 74.3261**.

Distribution



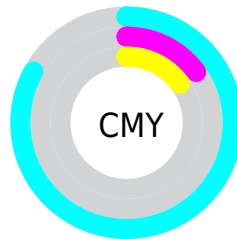
- Red (17%)
- Green (85%)
- Blue (85%)



- Red (17%)
- Yellow (51%)
- Blue (85%)



- Cyan (80%)
- Magenta (0%)
- Yellow (0%)
- Black (15%)



- Cyan (83%)
- Magenta (15%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.3335, 55.1491, 74.2701 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 38.3335, 55.1491, 74.2701 by changing the saturation by 10% instead.

38.3335, 55.1491,
74.2701

38.3335, 55.1491,
74.2701

330.3046,
406.4769, 494.5934

26.4200, 39.5211,
54.5170

71.9196, 97.7594,
127.0162

17.2724, 27.1654,
38.6192

94.3230, 125.5104,
160.8463

10.5254, 17.6975,
26.1580

120.9537,
158.0713, 200.2058

5.8136, 10.7330,
16.7151

152.1771,
195.8264, 245.5132

2.7717, 5.8876,
9.8718

188.3585,
239.1602, 297.1872

1.0342, 2.7768,
5.2095

229.8633,

0.0000, 1.0164,

288.4569, 355.6461

2.3098

277.0569,
344.1010, 421.3087

■ 0.0000, 0.0000,
0.7367

■ 0.0000, 0.0000,
0.0000

■ 38.3335, 55.1491,
74.2701

■ 38.3335, 55.1491,
74.2701

■ 37.6542, 54.8001,
74.2394

■ 39.4995, 55.7514,
74.3261

■ 37.3382, 54.6372,
74.2245

■ 41.2145, 56.6355,
74.4065

■ 43.5368, 57.8327,
74.5153

■ 46.5161, 59.3686,
74.6549

■ 50.1970, 61.2661,
74.8273

■ 54.6200, 63.5463,
75.0345

■ 59.8228, 66.2284,
75.2781

■ 65.8402, 69.3305,
75.5599

■ 72.7053, 72.8696,
75.8813

Harmonies

Analogous

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



38.1532, 55.1491, 49.8391



38.3335, 55.1491, 74.2701



42.0137, 55.1491, 100.5289

Triad

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



38.3335, 55.1491, 74.2701



65.1110, 55.1491, 98.0944



56.2978, 55.1491, 25.2151

Complementary

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



38.3335, 55.1491, 74.2701



29.9170, 16.6556, 3.9251

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.



64.4111, 55.1491, 32.2201



38.3335, 55.1491, 74.2701



69.8563, 55.1491, 71.5636

Square

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



38.3335, 55.1491, 74.2701



57.1731, 55.1491, 116.6142



69.5872, 55.1491, 47.7683



47.9334, 55.1491, 25.5741

Rectangle

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



38.3335, 55.1491, 74.2701



46.2064, 55.1491, 113.6295



69.5872, 55.1491, 47.7683



59.1618, 55.1491, 26.6846

Sweetspot

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



38.3352, 55.1512, 74.2714



76.0067, 90.1828, 108.0083



26.3729, 50.3808, 10.6214



15.7852, 19.0537, 23.0956



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.



38.3352, 55.1512, 74.2714



53.9373, 78.8057, 106.9738



21.8968, 22.2740, 68.7931



13.4449, 14.8296, 16.8059



22.6018, 33.0734, 44.9300



1.4643, 2.1427, 2.9108

Inverse Universe

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



29.9170, 16.6556, 3.9251



41.4066, 21.5038, 2.2613



36.6561, 30.1337, 6.1713



13.0561, 13.0515, 13.5567



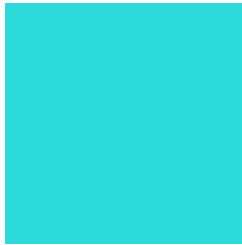
17.3222, 8.9299, 0.8107



1.1222, 0.5785, 0.0525

Previews

White Background



This preview shows how the XYZ color 38.3335, 55.1491, 74.2701 looks on a white background.

Color Contrast Check

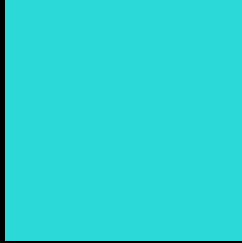
Large Text (above 18pt) WCAG AA × Fail

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 38.3335, 55.1491, 74.2701 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

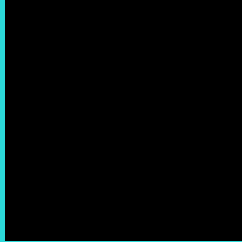
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

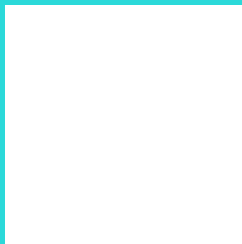
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.3335, 55.1491, 74.2701

Background



This preview shows how black text looks on a background with the XYZ color 38.3335, 55.1491, 74.2701.

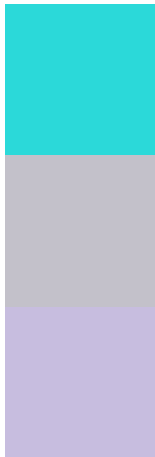


This preview shows how white text looks on a background with the XYZ color 38.3335, 55.1491,

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

38.3335, 55.1491, 74.2701

Protanopia

52.2363, 54.0063, 63.5482

Deuteranopia

55.0701, 53.8650, 77.3065



Tritanopia

40.4968, 55.2678, 84.8773

Trichromacy



Original Color

38.3335, 55.1491, 74.2701



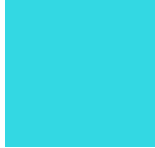
Protanomaly

43.1982, 52.3215, 66.8538



Deuteranomaly

44.6299, 51.8181, 76.0563



Tritanomaly

39.7862, 55.3616, 81.2619

Monochromacy



Original Color

38.3335, 55.1491, 74.2701



Achromatopsia

35.7637, 37.6262, 40.9749



Achromatomaly

33.6774, 41.8066, 51.6419

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.3335, 55.1491, 74.2701 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(43, 217, 217)` looks like.

```
.text, #text, p{  
    color:rgb(43, 217, 217)  
}
```

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(43, 217, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 217, 217) }
```

Border

The CSS property to change the border of an element to XYZ 38.3335, 55.1491, 74.2701 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(43, 217, 217) }
```


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

```
.border{ border-color:rgb(43, 217, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 217, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 217, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 217, 217);  
box-shadow:4px 4px 4px 4px rgb(43, 217,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 38.3335, 55.1491, 74.2701 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 217, 217) }
```

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

```
.background{ background-color: rgb(43, 217,  
217) }
```

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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