

Converting Colors

XYZ(37.9945, 54.9284, 74.1685)

Have a look what the booklet for
XYZ(37.9945, 54.9284, 74.1685)
contains.

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Color

**XYZ(38.0304, 54.9928,
74.2559)**

Conversions

Conversions Part 1

Format	Color
Hex	23D9D9
RGB	35, 217, 217
RGB Percent	14%, 85%, 85%
CMY	0.8627, 0.1490, 0.1490
CMYK	0.84, 0.00, 0.00, 0.15
HSL	180°, 72%, 49%
HSV	180°, 84%, 85%
XYZ	38.0304, 54.9928, 74.2559
YIQ	162.5820, -108.4720, -38.5840

Conversions

Conversions Part 2

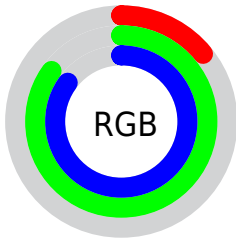
Format	Color
R_{YB}	35, 126, 217
Decimal	2349529
CIE _{Lab}	79.04, -41.20, -12.19
CIE _{LCh}	79, 42.967, 196.477
Yxy	54.9928, 0.2273, 0.3287
Android (android.graphics.Color)	4280539609 (0xFF23D9D9)
YUV	162.5820, 26.8281, -111.8894
Hunter-Lab	74.1571, -38.2339, -7.4590

Details

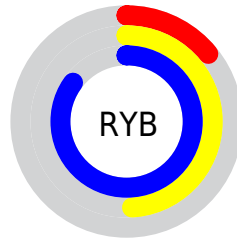
The XYZ color **38.0304, 54.9928, 74.2559** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **29.5215, 16.0769, 3.1390**, and the grayscale version is **34.5336, 36.3320, 39.5656**.

A 20% lighter version of the original color is **61.4177, 82.6619, 107.3260**, and **19.2665, 28.0984, 38.5905** is the 20% darker color. If you saturate the color by 10%, you get **37.5090, 54.7252, 74.2326**, and if you desaturate by 10%, it is **39.0097, 55.4988, 74.3031**.

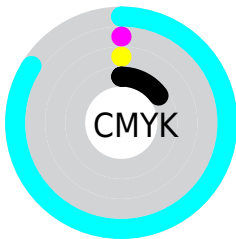
Distribution



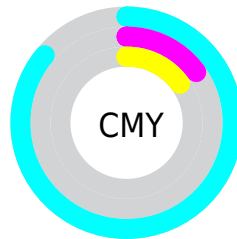
- Red (14%)
- Green (85%)
- Blue (85%)



- Red (14%)
- Yellow (49%)
- Blue (85%)



- Cyan (84%)
- Magenta (0%)
- Yellow (0%)
- Black (15%)





- Cyan (86%)
- Magenta (15%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.0304, 54.9928, 74.2559 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 38.0304, 54.9928, 74.2559 by changing the saturation by 10% instead.


 38.0304, 54.9928,
74.2559


 38.0304, 54.9928,
74.2559


329.0290,
405.8846, 494.5431


 26.1836, 39.3960,
54.5055


 71.4583, 97.5304,
126.9959


 17.0944, 27.0679,
38.6100


 93.7702, 125.2400,
160.8225

 10.3976, 17.6242,
26.1510


 120.3011,
157.7559, 200.1783

 5.7276, 10.6805,
16.7098

 151.4164,
195.4625, 245.4817

 2.7193, 5.8525,
9.8681

 187.4815,
238.7444, 297.1514

 1.0071, 2.7556,
5.2071

228.8617,

 0.0000, 1.0055,

287.9857, 355.6058

2.3084

275.9224,
343.5710, 421.2635

■ 0.0000, 0.0000,
0.7359

■ 0.0000, 0.0000,
0.0000

■ 38.0304, 54.9928,
74.2559

■ 38.0304, 54.9928,
74.2559

■ 37.5090, 54.7252,
74.2326

■ 39.0097, 55.4988,
74.3031

■ 37.3382, 54.6372,
74.2245

■ 40.5148, 56.2747,
74.3737

■ 42.6073, 57.3534,
74.4717

■ 45.3391, 58.7618,
74.5997

■ 48.7566, 60.5235,
74.7598

■ 52.9017, 62.6604,
74.9539

■ 57.8129, 65.1922,
75.1839

■ 63.5263, 68.1376,
75.4514

■ 70.0754, 71.5137,
75.7580

Harmonies

Analogous

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



37.8532, 54.9928, 49.5248



38.0304, 54.9928, 74.2559



41.7411, 54.9928, 100.9379

Triad

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



38.0304, 54.9928, 74.2559



65.1248, 54.9928, 98.5256



56.2101, 54.9928, 24.7641

Complementary

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



38.0304, 54.9928, 74.2559



29.5215, 16.0769, 3.1390

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.



64.4331, 54.9928, 31.8057



38.0304, 54.9928, 74.2559



69.9464, 54.9928, 71.5816

Square

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



38.0304, 54.9928, 74.2559



57.0740, 54.9928, 117.3568



69.6803, 54.9928, 47.4869



47.7415, 54.9928, 25.1146

Rectangle

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



38.0304, 54.9928, 74.2559



45.9756, 54.9928, 114.2830



69.6803, 54.9928, 47.4869



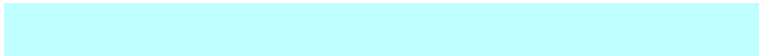
59.1120, 54.9928, 26.2404

Sweetspot

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



38.0321, 54.9948, 74.2572



75.3587, 89.8488, 107.9780



25.9186, 50.1619, 9.9078



15.6614, 18.9898, 23.0898



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.



38.0321, 54.9948, 74.2572



53.8096, 78.7398, 106.9680



21.0748, 21.0799, 68.6059



13.4449, 14.8296, 16.8059



22.6018, 33.0734, 44.9301



1.4643, 2.1427, 2.9108

Inverse Universe

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



29.5215, 16.0769, 3.1390



41.2400, 21.2600, 1.9301



36.0002, 29.0343, 5.2984



13.0561, 13.0515, 13.5567



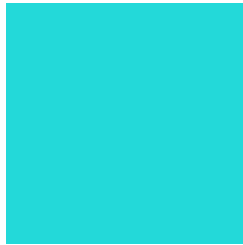
17.3222, 8.9299, 0.8107



1.1222, 0.5785, 0.0525

Previews

White Background



This preview shows how the XYZ color 38.0304, 54.9928, 74.2559 looks on a white background.

Color Contrast Check

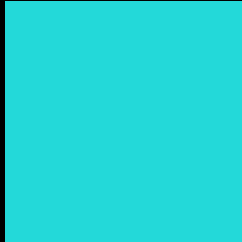
Large Text (above 18pt) WCAG AA × Fail

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 38.0304, 54.9928, 74.2559 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

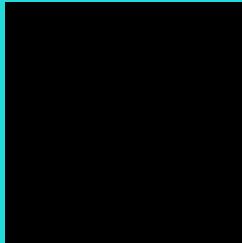
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

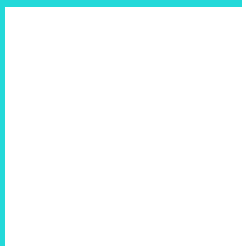
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.0304, 54.9928, 74.2559

Background



This preview shows how black text looks on a background with the XYZ color 38.0304, 54.9928, 74.2559.

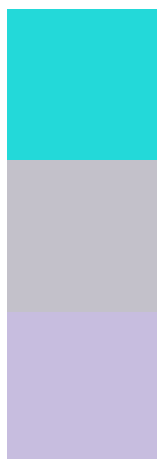


This preview shows how white text looks on a background with the XYZ color 38.0304, 54.9928,

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

38.0304, 54.9928, 74.2559

Protanopia

52.2363, 54.0063, 63.5482

Deuteranopia

55.0701, 53.8650, 77.3065



Tritanopia

40.2312, 55.1309, 84.8649

Trichromacy



Original Color

38.0304, 54.9928, 74.2559



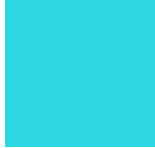
Protanomaly

42.6995, 52.0644, 66.8304



Deuteranomaly

44.1220, 51.5563, 76.0325



Tritanomaly

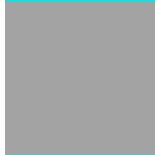
39.5032, 55.2157, 81.2487

Monochromacy



Original Color

38.0304, 54.9928, 74.2559



Achromatopsia

34.8123, 36.6253, 39.8849



Achromatomaly

32.6832, 40.9989, 50.9907

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.0304, 54.9928, 74.2559 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(35, 217, 217)` looks like.

```
.text, #text, p{  
  color:rgb(35, 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(35, 217, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 217, 217) }
```

Border

The CSS property to change the border of an element to XYZ 38.0304, 54.9928, 74.2559 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(35, 217, 217) }
```


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

```
.border{ border-color:rgb(35, 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(35, 217, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 217, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 217, 217);  
box-shadow:4px 4px 4px 4px rgb(35, 217,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 38.0304, 54.9928, 74.2559 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 217, 217) }
```

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

```
.background{ background-color: rgb(35, 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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