

Converting Colors

XYZ(39.7190, 55.7732, 74.1358)

Have a look what the booklet for
XYZ(39.7190, 55.7732, 74.1358)
contains.

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Color

**XYZ(39.7915, 55.9007,
74.3383)**

Conversions

Conversions Part 1

Format	Color
Hex	45D9D9
RGB	69, 217, 217
RGB Percent	27%, 85%, 85%
CMY	0.7294, 0.1490, 0.1490
CMYK	0.68, 0.00, 0.00, 0.15
HSL	180°, 66%, 56%
HSV	180°, 68%, 85%
XYZ	39.7915, 55.9007, 74.3383
YIQ	172.7480, -88.2080, -31.3760

Conversions

Conversions Part 2

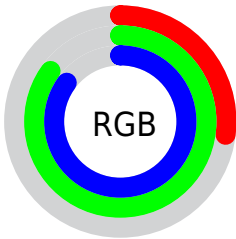
Format	Color
RYB	69, 143, 217
Decimal	4577753
CIELab	79.56, -37.84, -11.35
CIELCh	80, 39.509, 196.702
Yxy	55.9007, 0.2340, 0.3288
Android (android.graphics.Color)	4282767833 (0xFF45D9D9)
YUV	172.7480, 21.8162, -90.9870
Hunter-Lab	74.7668, -35.8427, -6.6135

Details

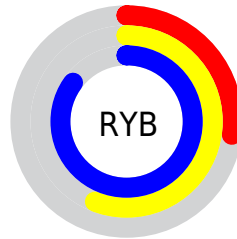
The XYZ color **39.7915, 55.9007, 74.3383** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **31.8195, 19.4394, 7.7071**, and the grayscale version is **39.5189, 41.5769, 45.2773**.

A 20% lighter version of the original color is **64.1265, 84.0584, 107.4528**, and **19.2665, 28.0984, 38.5905** is the 20% darker color. If you saturate the color by 10%, you get **38.5248, 55.2490, 74.2801**, and if you desaturate by 10%, it is **41.6241, 56.8467, 74.4255**.

Distribution



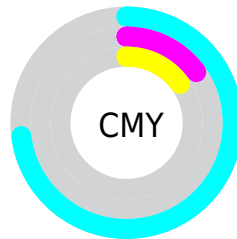
- Red (27%)
- Green (85%)
- Blue (85%)



- Red (27%)
- Yellow (56%)
- Blue (85%)



- Cyan (68%)
- Magenta (0%)
- Yellow (0%)
- Black (15%)





- Cyan (73%)
- Magenta (15%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.7915, 55.9007, 74.3383 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 39.7915, 55.9007, 74.3383 by changing the saturation by 10% instead.


 39.7915, 55.9007,
74.3383


 39.7915, 55.9007,
74.3383


336.3935,
409.3172, 494.8347

 27.5595, 40.1233,
54.5725


 74.1323, 98.8594,
127.1137


 18.1326, 27.6347,
38.6633


 96.9718, 126.8095,
160.9604

 11.1455, 18.0505,
26.1921


 124.0778,
159.5859, 200.3379

 6.2328, 10.9862,
16.7403

 155.8157,
197.5731, 245.6646

 3.0292, 6.0576,
9.8895

192.5509,
241.1554, 297.3590

 1.1692, 2.8801,
5.2211

234.6487,

 0.0818, 1.0695,

290.7173, 355.8399

2.3166

282.4744,
346.6430, 421.5256

■ 0.0000, 0.0000,
0.7405

■ 0.0000, 0.0000,
0.0000

■ 39.7915, 55.9007,
74.3383

■ 39.7915, 55.9007,
74.3383

■ 38.5248, 55.2490,
74.2801

■ 41.6241, 56.8467,
74.4255

■ 37.7543, 54.8517,
74.2438

■ 44.0727, 58.1090,
74.5403

■ 37.3871, 54.6624,
74.2265

■ 47.1875, 59.7147,
74.6862

■ 37.3382, 54.6372,
74.2241

■ 51.0121, 61.6864,
74.8654

■ 55.5865, 64.0446,
75.0797

■ 60.9478, 66.8084,
75.3308

■ 67.1304, 69.9956,
75.6203

■ 74.1669, 73.6231,
75.9498

■ 78.5786, 75.8974,
76.1565

Harmonies

Analogous

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



39.5979, 55.9007, 51.3396



39.7915, 55.9007, 74.3383



43.3210, 55.9007, 98.6216

Triad

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



39.7915, 55.9007, 74.3383



65.0547, 55.9007, 96.1058



56.7270, 55.9007, 27.4233

Complementary

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



39.7915, 55.9007, 74.3383



31.8195, 19.4394, 7.7071

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.



64.3225, 55.9007, 34.2356



39.7915, 55.9007, 74.3383



69.4440, 55.9007, 71.5042

Square

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



39.7915, 55.9007, 74.3383



57.6484, 55.9007, 113.1790



69.1634, 55.9007, 49.1291



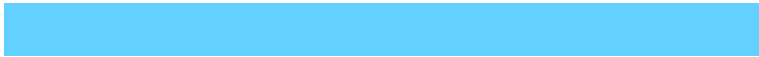
48.8578, 55.9007, 27.8209

Rectangle

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



39.7915, 55.9007, 74.3383



47.3112, 55.9007, 110.5933



69.1634, 55.9007, 49.1291



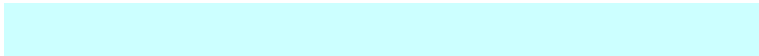
59.4116, 55.9007, 28.8560

Sweetspot

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



39.7932, 55.9028, 74.3396



78.7117, 91.5773, 108.1348



28.5217, 51.4149, 14.0525



16.4366, 19.3895, 23.1261



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.



39.7932, 55.9028, 74.3396



54.9318, 79.3184, 107.0203



25.1775, 26.6711, 69.4690



13.4449, 14.8296, 16.8059



22.6018, 33.0733, 44.9298



1.4643, 2.1427, 2.9108

Inverse Universe

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



31.8195, 19.4394, 7.7071



42.7043, 23.4027, 4.8411



39.1479, 34.0963, 10.1496



13.0561, 13.0515, 13.5567



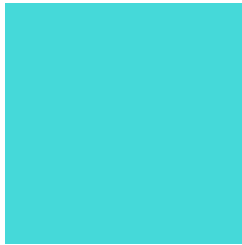
17.3222, 8.9299, 0.8107



1.1222, 0.5785, 0.0525

Previews

White Background



This preview shows how the XYZ color 39.7915, 55.9007, 74.3383 looks on a white background.

Color Contrast Check

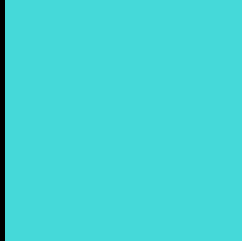
Large Text (above 18pt) WCAG AA × Fail

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 39.7915, 55.9007, 74.3383 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

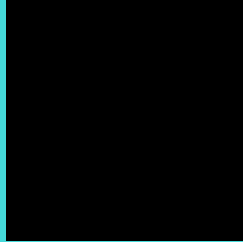
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

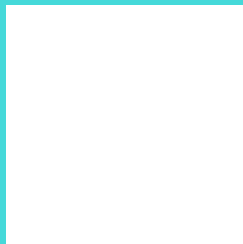
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 39.7915, 55.9007, 74.3383

Background



This preview shows how black text looks on a background with the XYZ color 39.7915, 55.9007, 74.3383.

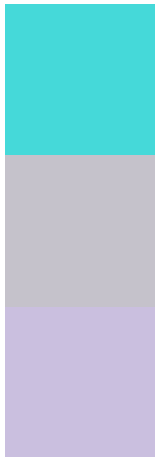


This preview shows how white text looks on a background with the XYZ color 39.7915, 55.9007,

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

39.7915, 55.9007, 74.3383

Protanopia

53.0972, 54.7657, 64.2722

Deuteranopia

56.3072, 55.1459, 77.4885



Tritanopia

41.9265, 56.0049, 84.9442

Trichromacy



Original Color

39.7915, 55.9007, 74.3383



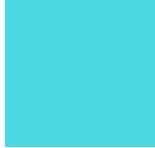
Protanomaly

45.0834, 53.2792, 67.5823



Deuteranomaly

47.0318, 53.3990, 76.2348



Tritanomaly

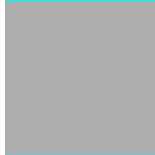
41.2450, 56.1136, 81.3302

Monochromacy



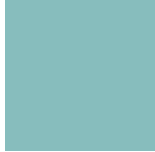
Original Color

39.7915, 55.9007, 74.3383



Achromatopsia

39.7200, 41.7885, 45.5077



Achromatomaly

37.3746, 45.2202, 54.9026

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.7915, 55.9007, 74.3383 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(69, 217, 217)` looks like.

```
.text, #text, p{  
    color:rgb(69, 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(69, 217, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 217, 217) }
```

Border

The CSS property to change the border of an element to XYZ 39.7915, 55.9007, 74.3383 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(69, 217, 217) }
```


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

```
.border{ border-color:rgb(69, 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(69, 217, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 217, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 217, 217);  
box-shadow:4px 4px 4px 4px rgb(69, 217,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 39.7915, 55.9007, 74.3383 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 217, 217) }
```

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

```
.background{ background-color: rgb(69, 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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