

Converting Colors

XYZ(33.9070, 43.9931, 75.7063)

Have a look what the booklet for
XYZ(33.9070, 43.9931, 75.7063)
contains.

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Color

**XYZ(33.8979, 43.9339,
75.8007)**

Conversions

Conversions Part 1

Format	Color
Hex	3CC0DE
RGB	60, 192, 222
RGB Percent	24%, 75%, 87%
CMY	0.7647, 0.2470, 0.1294
CMYK	0.73, 0.14, 0.00, 0.13
HSL	191°, 71%, 55%
HSV	191°, 73%, 87%
XYZ	33.8979, 43.9339, 75.8007
YIQ	155.9520, -88.3020, -18.6540

Conversions

Conversions Part 2

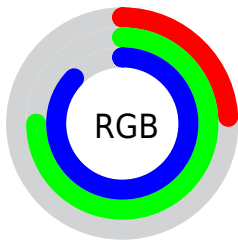
Format	Color
RYB	60, 133, 222
Decimal	3981534
CIELab	72.18, -25.52, -25.21
CIELCh	72, 35.878, 224.650
Yxy	43.9339, 0.2206, 0.2860
Android (android.graphics.Color)	4282171614 (0xFF3CC0DE)
YUV	155.9520, 32.5617, -84.1499
Hunter-Lab	66.2827, -24.7072, -21.4061

Details

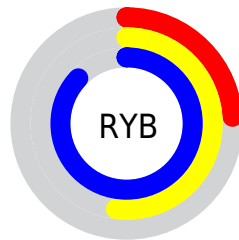
The XYZ color **33.8979, 43.9339, 75.8007** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted cyan. A complement of this color would be **34.5973, 23.1699, 6.9251**, and the grayscale version is **31.4680, 33.1068, 36.0533**.

A 20% lighter version of the original color is **60.9789, 79.6385, 106.7656**, and **16.0635, 20.9670, 39.7596** is the 20% darker color. If you saturate the color by 10%, you get **31.9374, 41.6026, 75.4549**, and if you desaturate by 10%, it is **36.4486, 46.6086, 76.1834**.

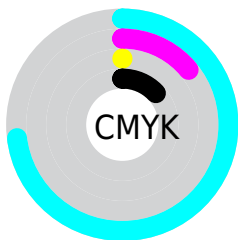
Distribution



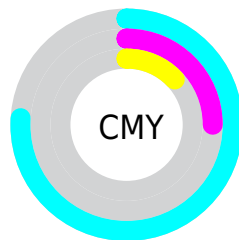
- Red (24%)
- Green (75%)
- Blue (87%)



- Red (24%)
- Yellow (52%)
- Blue (87%)



- Cyan (73%)
- Magenta (14%)
- Yellow (0%)
- Black (13%)



- Cyan (76%)
- Magenta (25%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.8979, 43.9339, 75.8007 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 33.8979, 43.9339, 75.8007 by changing the saturation by 10% instead.

■ 33.8979, 43.9339,
75.8007

■ 33.8979, 43.9339,
75.8007

311.2705,
362.4385, 499.9938

■ 22.9777, 30.6185,
55.7634

■ 65.1202, 81.1183,
129.2027

■ 14.6976, 20.3086,
39.6106

■ 86.1530, 105.7561,
163.4044

■ 8.6924, 12.6195,
26.9236

■ 111.2874,
134.9368, 203.1647

■ 4.5966, 7.1671,
17.2839

■ 140.8887,
169.0449, 248.9022

■ 2.0449, 3.5668,
10.2730

■ 175.3223,
208.4647, 301.0353

■ 0.6590, 1.4343,
5.4724

214.9536,

■ 0.0000, 0.2418,

253.5807, 359.9825

2.4635

260.1479,
304.7771, 426.1626

■ 0.0000, 0.0000,
0.8207

■ 0.0000, 0.0000,
0.0000

■ 33.8979, 43.9339,
75.8007

■ 33.8979, 43.9339,
75.8007

■ 31.9374, 41.6026,
75.4549

■ 36.4486, 46.6086,
76.1834

■ 30.4870, 39.5706,
75.1391

■ 39.6481, 49.6546,
76.6027

■ 29.6865, 38.2770,
74.9316

■ 43.5523, 53.1019,
77.0623

■ 48.2100, 56.9760,
77.5646

■ 53.6653, 61.2998,
78.1116

■ 59.9589, 66.0947,
78.7054

■ 67.1288, 71.3806,
79.3478

■ 75.2104, 77.1759,
80.0405

■ 82.4451, 82.5743,
80.7012

Harmonies

Analogous

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



31.3306, 43.9339, 56.9226



33.8979, 43.9339, 75.8007



38.7052, 43.9339, 88.4881

Triad

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



33.8979, 43.9339, 75.8007



54.2300, 43.9339, 57.3728



38.8381, 43.9339, 21.9836

Complementary

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



33.8979, 43.9339, 75.8007



34.5973, 23.1699, 6.9251

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.



44.9669, 43.9339, 22.0475



33.8979, 43.9339, 75.8007



54.2746, 43.9339, 39.7728

Square

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



33.8979, 43.9339, 75.8007



50.6313, 43.9339, 76.1992



50.7476, 43.9339, 27.7660



33.9869, 43.9339, 27.5628

Rectangle

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



33.8979, 43.9339, 75.8007



42.7238, 43.9339, 90.1510



50.7476, 43.9339, 27.7660



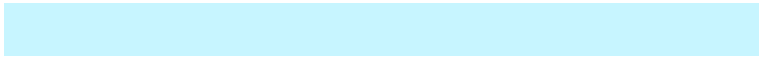
40.8066, 43.9339, 21.3996

Sweetspot

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



33.8993, 43.9355, 75.8018



74.1115, 84.4182, 106.9960



29.8188, 53.9374, 18.4473



15.3969, 17.7063, 22.8561



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.



33.8993, 43.9355, 75.8018



42.5093, 55.3175, 103.0446



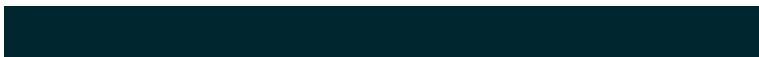
20.7671, 17.6710, 71.4244



13.8895, 15.1181, 17.5737



17.7091, 22.8878, 44.5328



1.2841, 1.6998, 3.1056

Inverse Universe

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



41.2557, 22.5685, 52.0526



53.7864, 27.0459, 65.6325



45.4475, 44.8703, 10.5419



14.1804, 13.8898, 16.7204



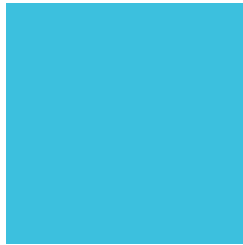
22.8789, 11.2186, 27.0920



1.6144, 0.7890, 2.0284

Previews

White Background



This preview shows how the XYZ color 33.8979, 43.9339, 75.8007 looks on a white background.

Color Contrast Check

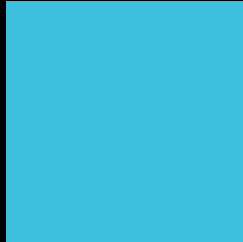
Large Text (above 18pt) WCAG AA × Fail

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 33.8979, 43.9339, 75.8007 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 33.8979, 43.9339, 75.8007

Background



This preview shows how black text looks on a background with the XYZ color 33.8979, 43.9339, 75.8007.

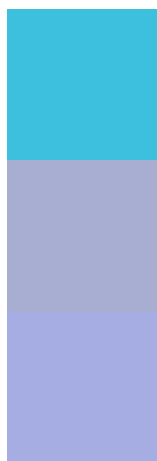


This preview shows how white text looks on a background with the XYZ color 33.8979, 43.9339,

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

33.8979, 43.9339, 75.8007

Protanopia

42.9174, 43.2501, 67.0589

Deuteranopia

44.3969, 43.4851, 78.0050



Tritanopia

32.2899, 43.9405, 67.7523

Trichromacy



Original Color

33.8979, 43.9339, 75.8007

Protanomaly

37.7147, 42.5699, 69.8474

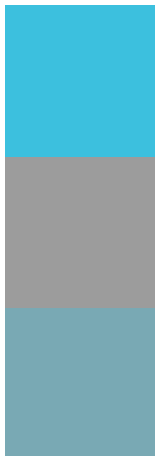
Deuteranomaly

38.6643, 42.5908, 77.4172

Tritanomaly

32.7289, 43.7792, 70.3436

Monochromacy



Original Color

33.8979, 43.9339, 75.8007

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

30.3113, 35.7362, 48.4802

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.8979, 43.9339, 75.8007 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(60, 192, 222)` looks like.

```
.text, #text, p{  
    color:rgb(60, 192, 222)  
}
```

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(60, 192, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 192, 222) }
```

Border

The CSS property to change the border of an element to XYZ 33.8979, 43.9339, 75.8007 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(60, 192, 222) }
```


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

```
.border{ border-color:rgb(60, 192, 222) }
```

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

Here you see how a box with a 4 pixel rgb(60, 192, 222) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 192, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 192, 222);  
box-shadow:4px 4px 4px 4px rgb(60, 192,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 33.8979, 43.9339, 75.8007 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 192, 222) }
```

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

```
.background{ background-color: rgb(60, 192,  
222) }
```

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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