

Converting Colors

XYZ(35.8669, 49.2811, 75.5038)

Have a look what the booklet for
XYZ(35.8669, 49.2811, 75.5038)
contains.

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Color

**XYZ(35.9219, 49.4343,
75.3586)**

Conversions

Conversions Part 1

Format	Color
Hex	2FCDDC
RGB	47, 205, 220
RGB Percent	18%, 80%, 86%
CMY	0.8156, 0.1961, 0.1372
CMYK	0.79, 0.07, 0.00, 0.14
HSL	185°, 71%, 52%
HSV	185°, 79%, 86%
XYZ	35.9219, 49.4343, 75.3586
YIQ	159.4680, -98.9830, -28.8310

Conversions

Conversions Part 2

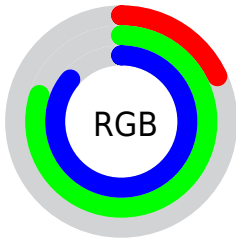
Format	Color
R _Y B	47, 130, 220
Decimal	3132892
CIE Lab	75.72, -33.85, -18.77
CIE LCh	76, 38.703, 209.013
Yxy	49.4343, 0.2235, 0.3076
Android (android.graphics.Color)	4281322972 (0xFF2FCDDC)
YUV	159.4680, 29.8423, -98.6344
Hunter-Lab	70.3095, -31.8441, -14.3311

Details

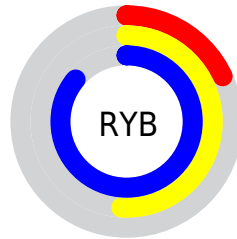
The XYZ color **35.9219, 49.4343, 75.3586** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **31.7523, 18.8679, 4.6593**, and the grayscale version is **33.0716, 34.7939, 37.8905**.

A 20% lighter version of the original color is **61.9784, 82.9510, 107.3523**, and **17.6979, 24.5293, 39.3992** is the 20% darker color. If you saturate the color by 10%, you get **34.6982, 48.1312, 75.1725**, and if you desaturate by 10%, it is **37.6649, 51.0154, 75.5728**.

Distribution



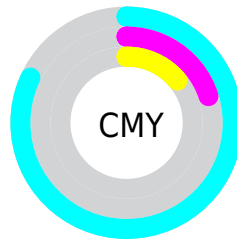
- Red (18%)
- Green (80%)
- Blue (86%)



- Red (18%)
- Yellow (51%)
- Blue (86%)



- Cyan (79%)
- Magenta (7%)
- Yellow (0%)
- Black (14%)





- Cyan (82%)
- Magenta (20%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.9219, 49.4343, 75.3586 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 35.9219, 49.4343, 75.3586 by changing the saturation by 10% instead.


 35.9219, 49.4343,
75.3586


 35.9219, 49.4343,
75.3586


320.0563,
384.4496, 498.4375


 24.5437, 34.9641,
55.4032


 68.2362, 89.3361,
128.5716

 15.8643, 23.6352,
39.3239


 89.9029, 115.5366,
162.6663


 9.5185, 15.0633,
26.7020


 115.7300,
146.4159, 202.3112

 5.1407, 8.8638,
17.1191

 146.0826,
182.3585, 247.9248

 2.3656, 4.6524,
10.1566

 181.3262,
223.7488, 299.9258

 0.8279, 2.0448,
5.3959

221.8261,

 0.0000, 0.6333,

270.9711, 358.7325

2.4186

267.9477,
324.4099, 424.7635

■ 0.0000, 0.0000,
0.7966

■ 0.0000, 0.0000,
0.0000

■ 35.9219, 49.4343,
75.3586

■ 35.9219, 49.4343,
75.3586

■ 34.6982, 48.1312,
75.1725

■ 37.6649, 51.0154,
75.5728

■ 33.8867, 47.0478,
75.0062

■ 39.9901, 52.9039,
75.8148

■ 33.7880, 46.9064,
74.9841

■ 42.9566, 55.1313,
76.0884

■ 46.6146, 57.7236,
76.3959

■ 51.0097, 60.7041,
76.7396

■ 56.1833, 64.0945,
77.1213

■ 62.1738, 67.9144,
77.5429

■ 69.0171, 72.1823,
78.0060

■ 76.7468, 76.9158,
78.5123

Harmonies

Analogous

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



34.4950, 49.4343, 53.1479



35.9219, 49.4343, 75.3586



40.2335, 49.4343, 95.3113

Triad

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



35.9219, 49.4343, 75.3586



59.8364, 49.4343, 76.8434



47.2238, 49.4343, 23.1920

Complementary

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



35.9219, 49.4343, 75.3586



31.7523, 18.8679, 4.6593

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.



54.4543, 49.4343, 26.5568



35.9219, 49.4343, 75.3586



62.1776, 49.4343, 54.5089

Square

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



35.9219, 49.4343, 75.3586



54.0015, 49.4343, 96.3108



60.1160, 49.4343, 36.8430



40.6057, 49.4343, 26.1342

Rectangle

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



35.9219, 49.4343, 75.3586



44.4047, 49.4343, 102.6887



60.1160, 49.4343, 36.8430



49.6651, 49.4343, 23.6043

Sweetspot

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



35.9235, 49.4361, 75.3598



74.3374, 86.8439, 107.4523



27.6205, 52.1334, 13.0830



15.3757, 18.2346, 22.9592



0.0000, 0.0000, 0.0000



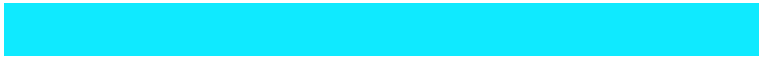
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



35.9235, 49.4361, 75.3598



47.7367, 66.2936, 104.8877



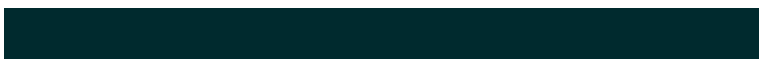
20.6993, 18.9878, 70.2851



13.3433, 14.6263, 16.7720



19.8709, 27.6113, 44.0206



1.3163, 1.8468, 2.8615

Inverse Universe

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



41.5525, 21.6580, 59.7498



56.2976, 27.5632, 80.3587



40.6069, 36.5771, 7.6108



13.5631, 13.2544, 16.2268



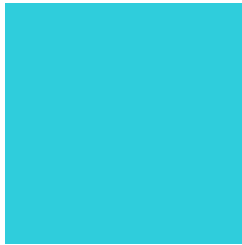
23.5253, 11.4111, 33.4757



1.5387, 0.7451, 2.2457

Previews

White Background



This preview shows how the XYZ color 35.9219, 49.4343, 75.3586 looks on a white background.

Color Contrast Check

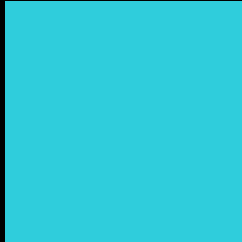
Large Text (above 18pt) WCAG AA × Fail

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 35.9219, 49.4343, 75.3586 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

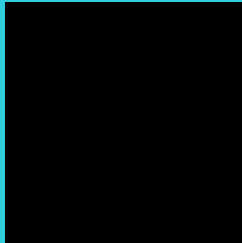
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

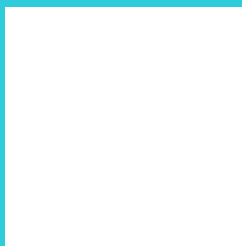
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.9219, 49.4343, 75.3586

Background



This preview shows how black text looks on a background with the XYZ color 35.9219, 49.4343, 75.3586.

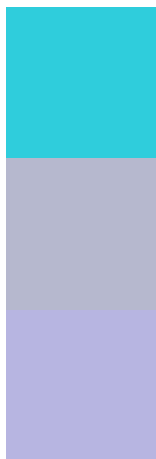


This preview shows how white text looks on a background with the XYZ color 35.9219, 49.4343,

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

35.9219, 49.4343, 75.3586

Protanopia

47.5725, 48.6823, 65.2818

Deuteranopia

49.6429, 48.5513, 77.9890



Tritanopia

36.1014, 49.5115, 76.0605

Trichromacy



Original Color

35.9219, 49.4343, 75.3586



Protanomaly

40.2804, 47.3890, 68.6520



Deuteranomaly

41.5643, 47.2230, 76.7363



Tritanomaly

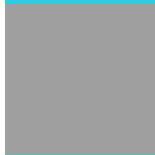
36.1014, 49.5115, 76.0605

Monochromacy



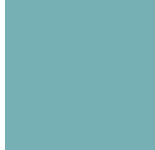
Original Color

35.9219, 49.4343, 75.3586



Achromatopsia

32.9542, 34.6704, 37.7561



Achromatomaly

31.3370, 38.2384, 49.4452

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.9219, 49.4343, 75.3586 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(47, 205, 220)` looks like.

```
.text, #text, p{  
    color:rgb(47, 205, 220)  
}
```

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(47, 205, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 205, 220) }
```

Border

The CSS property to change the border of an element to XYZ 35.9219, 49.4343, 75.3586 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(47, 205, 220) }
```


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

```
.border{ border-color:rgb(47, 205, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 205, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 205, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 205, 220);  
box-shadow:4px 4px 4px 4px rgb(47, 205,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 35.9219, 49.4343, 75.3586 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 205, 220) }
```

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

```
.background{ background-color: rgb(47, 205,  
220) }
```

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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