

Converting Colors

XYZ(35.5684, 52.0492, 58.4722)

Have a look what the booklet for
XYZ(35.5684, 52.0492, 58.4722)
contains.

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Color

**XYZ(35.6949, 52.2393,
58.6540)**

Conversions

Conversions Part 1

Format	Color
Hex	46D4C1
RGB	70, 212, 193
RGB Percent	27%, 83%, 76%
CMY	0.7255, 0.1686, 0.2431
CMYK	0.67, 0.00, 0.09, 0.17
HSL	172°, 62%, 55%
HSV	172°, 67%, 83%
XYZ	35.6949, 52.2393, 58.6540
YIQ	167.3760, -78.5330, -36.0130

Conversions

Conversions Part 2

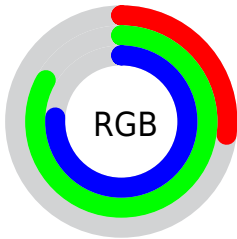
Format	Color
RYB	70, 146, 212
Decimal	4641985
CIELab	77.42, -41.95, -1.66
CIELCh	77, 41.983, 182.263
Yxy	52.2393, 0.2435, 0.3564
Android (android.graphics.Color)	4282832065 (0xFF46D4C1)
YUV	167.3760, 12.6326, -85.3988
Hunter-Lab	72.2768, -38.3296, 2.4787

Details

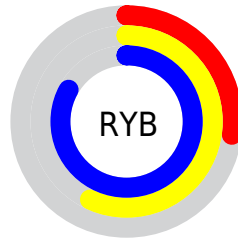
The XYZ color **35.6949, 52.2393, 58.6540** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **31.1464, 19.1001, 11.4981**, and the grayscale version is **36.8833, 38.8041, 42.2576**.

A 20% lighter version of the original color is **62.8506, 83.5104, 102.4291**, and **16.7906, 26.0074, 28.9459** is the 20% darker color. If you saturate the color by 10%, you get **34.1139, 51.4617, 56.9447**, and if you desaturate by 10%, it is **37.8246, 53.3015, 60.4230**.

Distribution



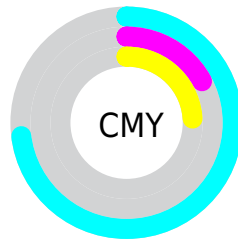
- Red (27%)
- Green (83%)
- Blue (76%)



- Red (27%)
- Yellow (57%)
- Blue (83%)



- Cyan (67%)
- Magenta (0%)
- Yellow (9%)
- Black (17%)





- Cyan (73%)
- Magenta (17%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.6949, 52.2393, 58.6540 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 35.6949, 52.2393, 58.6540 by changing the saturation by 10% instead.


 35.6949, 52.2393,
58.6540


 35.6949, 52.2393,
58.6540


319.0796,
395.3597, 437.2846


 24.3677, 37.1959,
41.9165


 67.8878, 93.4841,
104.3988


 15.7328, 25.3592,
28.7108


 89.4843, 120.4542,
134.2431

 9.4249, 16.3449,
18.6185


 115.2345,
152.1686, 169.2935

 5.0787, 9.7685,
11.2209

 145.5038,
189.0118, 209.9684

 2.3287, 5.2457,
6.0996

180.6576,
231.3681, 256.6865

 0.8093, 2.3922,
2.8360

221.0613,

 0.0000, 0.8219,

279.6219, 309.8662

1.0115

267.0802,
334.1577, 369.9260

■ 0.0000, 0.0000,
0.0000

■ 35.6949, 52.2393,
58.6540

■ 35.6949, 52.2393,
58.6540

■ 34.1139, 51.4617,
56.9447

■ 37.8246, 53.3015,
60.4230

■ 33.0173, 50.9319,
55.2885

■ 40.5495, 54.6686,
62.2505

■ 32.3278, 50.6113,
53.6827

■ 43.9164, 56.3660,
64.1401

■ 32.1577, 50.5340,
53.2054

■ 47.9661, 58.4146,
66.0939

■ 52.7360, 60.8338,
68.1138

■ 58.2607, 63.6415,
70.2015

■ 64.5728, 66.8542,
72.3588

■ 71.7026, 70.4878,
74.5873

■ 77.5093, 73.4386,
76.7869

Harmonies

Analogous

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



37.1362, 52.2393, 38.5897



35.6949, 52.2393, 58.6540



37.6437, 52.2393, 84.0772

Triad

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



35.6949, 52.2393, 58.6540



58.4115, 52.2393, 103.3861



57.2359, 52.2393, 25.8977

Complementary

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



35.6949, 52.2393, 58.6540



31.1464, 19.1001, 11.4981

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.



63.9754, 52.2393, 36.2885



35.6949, 52.2393, 58.6540



64.7043, 52.2393, 80.1916

Square

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



35.6949, 52.2393, 58.6540



50.2676, 52.2393, 113.8990



66.8419, 52.2393, 55.1416



49.0412, 52.2393, 23.0083

Rectangle

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



35.6949, 52.2393, 58.6540



40.7408, 52.2393, 99.7999



66.8419, 52.2393, 55.1416



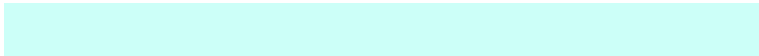
59.7759, 52.2393, 28.4591

Sweetspot

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



35.6964, 52.2413, 58.6552



77.6323, 91.1456, 102.4508



28.9946, 49.7707, 13.8740



16.1738, 19.2843, 21.7420



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.



35.6964, 52.2413, 58.6552



51.0874, 77.8087, 85.5075



27.3844, 32.0040, 67.0237



12.7174, 14.0779, 15.5920



19.8789, 31.2069, 32.9875



1.2193, 1.8904, 2.0964

Inverse Universe

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



31.1464, 19.1001, 11.4981



43.8097, 24.1820, 9.6226



34.9391, 27.8020, 9.3203



12.4902, 12.4476, 13.2559



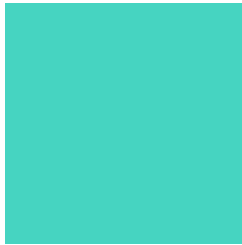
16.9152, 8.7024, 1.5916



1.0428, 0.5339, 0.2147

Previews

White Background



This preview shows how the XYZ color 35.6949, 52.2393, 58.6540 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 35.6949, 52.2393, 58.6540 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

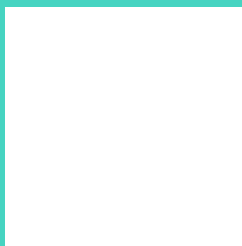
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.6949, 52.2393, 58.6540

Background



This preview shows how black text looks on a background with the XYZ color 35.6949, 52.2393, 58.6540.

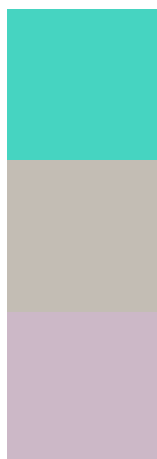


This preview shows how white text looks on a background with the XYZ color 35.6949, 52.2393,

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

35.6949, 52.2393, 58.6540

Protanopia

48.9415, 51.2926, 50.5010

Deuteranopia

52.3511, 51.2419, 61.1643



Tritanopia

39.5137, 51.9388, 78.4636

Trichromacy



Original Color

35.6949, 52.2393, 58.6540



Protanomaly

41.3009, 49.9193, 53.3575



Deuteranomaly

42.8874, 49.5834, 60.1335



Tritanomaly

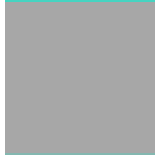
38.1190, 52.1105, 71.0000

Monochromacy



Original Color

35.6949, 52.2393, 58.6540



Achromatopsia

36.7301, 38.6429, 42.0822



Achromatomaly

34.2857, 41.9071, 47.3561

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.6949, 52.2393, 58.6540 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(70, 212, 193)` looks like.

```
.text, #text, p{  
    color:rgb(70, 212, 193)  
}
```

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(70, 212, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 212, 193) }
```

Border

The CSS property to change the border of an element to XYZ 35.6949, 52.2393, 58.6540 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(70, 212, 193) }
```


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

```
.border{ border-color:rgb(70, 212, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 212, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 212, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 212, 193);  
box-shadow:4px 4px 4px 4px rgb(70, 212,  
193) }
```

Background

The CSS property to change the background color of an element to XYZ 35.6949, 52.2393, 58.6540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 212, 193) }
```

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

```
.background{ background-color: rgb(70, 212,  
193) }
```

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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