

Converting Colors

XYZ(34.8374, 52.3749, 52.8781)

Have a look what the booklet for
XYZ(34.8374, 52.3749, 52.8781)
contains.

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Color

**XYZ(34.7957, 52.2726,
53.0554)**

Conversions

Conversions Part 1

Format	Color
Hex	45D5B7
RGB	69, 213, 183
RGB Percent	27%, 84%, 72%
CMY	0.7294, 0.1647, 0.2823
CMYK	0.68, 0.00, 0.14, 0.16
HSL	167°, 63%, 55%
HSV	167°, 68%, 84%
XYZ	34.7957, 52.2726, 53.0554
YIQ	166.5240, -76.1940, -39.8580

Conversions

Conversions Part 2

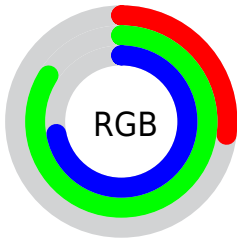
Format	Color
RYB	69, 149, 213
Decimal	4576695
CIELab	77.44, -45.09, 3.73
CIElCh	77, 45.244, 175.273
Yxy	52.2726, 0.2483, 0.3730
Android (android.graphics.Color)	4282766775 (0xFF45D5B7)
YUV	166.5240, 8.1227, -85.5285
Hunter-Lab	72.2998, -40.6180, 7.1014

Details

The XYZ color **34.7957, 52.2726, 53.0554** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **31.8225, 19.3046, 13.8552**, and the grayscale version is **36.4890, 38.3893, 41.8059**.

A 20% lighter version of the original color is **61.1715, 82.8203, 94.4232**, and **16.0862, 25.7256, 25.2368** is the 20% darker color. If you saturate the color by 10%, you get **33.0928, 51.4485, 50.6032**, and if you desaturate by 10%, it is **37.0582, 53.3860, 55.6121**.

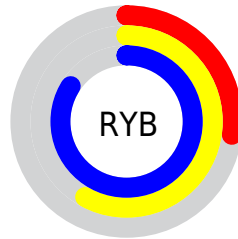
Distribution



Red (27%)

Green (84%)

Blue (72%)



Red (27%)

Yellow (58%)

Blue (84%)

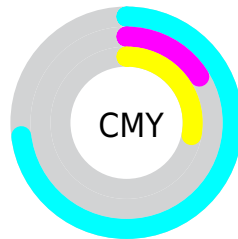


Cyan (68%)

Magenta (0%)

Yellow (14%)

Black (16%)



Cyan (73%)


Magenta (16%)


Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.7957, 52.2726, 53.0554 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 34.7957, 52.2726, 53.0554 by changing the saturation by 10% instead.


 34.7957, 52.2726,
53.0554


 34.7957, 52.2726,
53.0554


315.1895,
395.4881, 415.5700


 23.6713, 37.2224,
37.4590


 66.5053, 93.5331,
96.1283


 15.2134, 25.3797,
25.2645


 87.8212, 120.5123,
124.4418

 9.0566, 16.3602,
16.0534


 113.2649,
152.2365, 157.8314

 4.8355, 9.7794,
9.4072

 143.2019,
189.0903, 196.7156

 2.1848, 5.2529,
4.9073

177.9976,
231.4579, 241.5131

 0.7347, 2.3964,
2.1352

218.0171,

 0.0000, 0.8240,

279.7238, 292.6423

0.6366

263.6260,
334.2724, 350.5217

■ 0.0000, 0.0000,
0.0000

■ 34.7957, 52.2726,
53.0554

■ 34.7957, 52.2726,
53.0554

■ 33.0928, 51.4485,
50.6032

■ 37.0582, 53.3860,
55.6121

■ 31.8838, 50.8761,
48.2483

■ 39.9281, 54.8096,
58.2729

■ 31.0852, 50.5137,
45.9873

■ 43.4530, 56.5691,
61.0417

■ 30.9213, 50.4407,
45.4578

■ 47.6746, 58.6861,
63.9211

■ 52.6310, 61.1801,
66.9137

■ 58.3574, 64.0693,
70.0216

■ 64.8870, 67.3708,
73.2472

■ 72.2509, 71.1006,
76.5924

■ 78.3467, 74.1749,
79.9595

Harmonies

Analogous

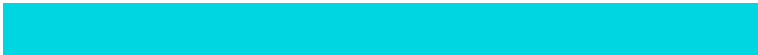
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



37.1541, 52.2726, 33.7370



34.7957, 52.2726, 53.0554



36.0290, 52.2726, 79.9406

Triad

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



34.7957, 52.2726, 53.0554



57.1801, 52.2726, 112.2207



59.8448, 52.2726, 25.9024

Complementary

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



34.7957, 52.2726, 53.0554



31.8225, 19.3046, 13.8552

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.



66.4140, 52.2726, 38.8004



34.7957, 52.2726, 53.0554



64.7538, 52.2726, 88.8348

Square

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



34.7957, 52.2726, 53.0554



48.3166, 52.2726, 119.3261



68.3074, 52.2726, 60.9594



51.0760, 52.2726, 21.2550

Rectangle

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



34.7957, 52.2726, 53.0554



38.8079, 52.2726, 98.2330



68.3074, 52.2726, 60.9594



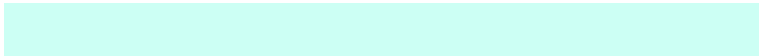
62.4220, 52.2726, 29.1934

Sweetspot

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



34.7972, 52.2746, 53.0566



77.0479, 90.9118, 99.3730



30.1477, 50.7410, 13.8362



16.0321, 19.2277, 20.9955



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.



34.7972, 52.2746, 53.0566



48.8796, 76.9111, 74.5336



29.2567, 35.6525, 68.2927



12.6762, 14.0615, 15.3752



18.9256, 30.8256, 27.9678



1.1700, 1.8707, 1.8369

Inverse Universe

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



31.8225, 19.3046, 13.8552



44.2248, 24.1746, 12.3428



34.0708, 25.6862, 8.7933



12.5280, 12.4627, 13.4550



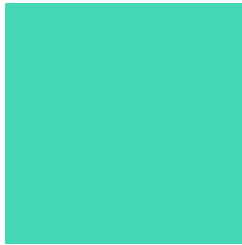
17.0742, 8.7660, 2.4290



1.0605, 0.5410, 0.3079

Previews

White Background



This preview shows how the XYZ color 34.7957, 52.2726, 53.0554 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 34.7957, 52.2726, 53.0554 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

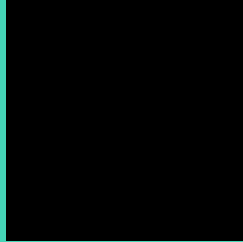
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

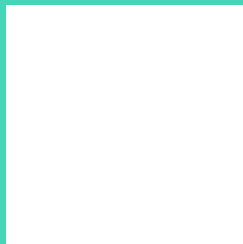
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.7957, 52.2726, 53.0554

Background



This preview shows how black text looks on a background with the XYZ color 34.7957, 52.2726, 53.0554.

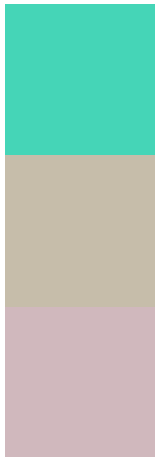


This preview shows how white text looks on a background with the XYZ color 34.7957, 52.2726,

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

34.7957, 52.2726, 53.0554

Protanopia

48.7420, 51.3032, 45.3637

Deuteranopia

52.3382, 51.3650, 55.3000



Tritanopia

39.7919, 52.0822, 78.4766

Trichromacy



Original Color

34.7957, 52.2726, 53.0554



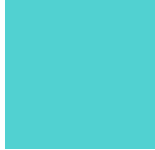
Protanomaly

40.6944, 50.0626, 48.0757



Deuteranomaly

42.3894, 49.7862, 54.3892



Tritanomaly

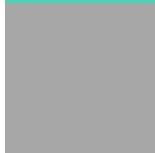
37.7024, 51.9537, 68.3625

Monochromacy



Original Color

34.7957, 52.2726, 53.0554



Achromatopsia

36.7301, 38.6429, 42.0822



Achromatomaly

34.0434, 42.1234, 45.8715

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.7957, 52.2726, 53.0554 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, 213, 183)` looks like.

```
.text, #text, p{  
    color:rgb(69, 213, 183)  
}
```

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, 213, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 213, 183) }
```

Border

The CSS property to change the border of an element to XYZ 34.7957, 52.2726, 53.0554 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, 213, 183) }
```


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

```
.border{ border-color:rgb(69, 213, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 213, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 213, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 213, 183);  
box-shadow:4px 4px 4px 4px rgb(69, 213,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 34.7957, 52.2726, 53.0554 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 213, 183) }
```

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

```
.background{ background-color: rgb(69, 213,  
183) }
```

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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