

Converting Colors

XYZ(35.2721, 52.1866, 45.2784)

Have a look what the booklet for
XYZ(35.2721, 52.1866, 45.2784)
contains.

XYZ(35.3307, 52.3470, 45.2877)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(35.3307, 52.3470,
45.2877)**

Conversions

Conversions Part 1

Format	Color
Hex	5FD4A8
RGB	95, 212, 168
RGB Percent	37%, 83%, 66%
CMY	0.6274, 0.1686, 0.3412
CMYK	0.55, 0.00, 0.21, 0.17
HSL	157°, 58%, 60%
HSV	157°, 55%, 83%
XYZ	35.3307, 52.3470, 45.2877
YIQ	172.0010, -55.6080, -38.4880

Conversions

Conversions Part 2

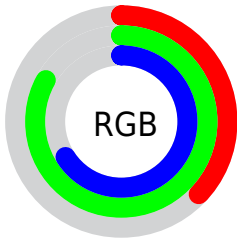
Format	Color
RYB	95, 167, 212
Decimal	6280360
CIELab	77.49, -43.46, 11.89
CIELCh	77, 45.056, 164.693
Yxy	52.3470, 0.2657, 0.3937
Android (android.graphics.Color)	4284470440 (0xFF5FD4A8)
YUV	172.0010, -1.9725, -67.5299
Hunter-Lab	72.3512, -39.4492, 13.5337

Details

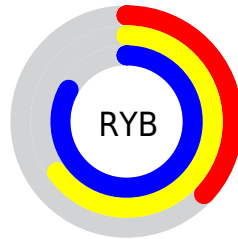
The XYZ color **35.3307, 52.3470, 45.2877** is a light color, and the websafe version is hex **66CC99**. The color can be described as light muted spring green. A complement of this color would be **35.9055, 24.0469, 27.1772**, and the grayscale version is **39.2443, 41.2880, 44.9626**.

A 20% lighter version of the original color is **62.4057, 83.7177, 82.6821**, and **15.6103, 25.5816, 20.6380** is the 20% darker color. If you saturate the color by 10%, you get **32.7010, 51.0759, 41.4060**, and if you desaturate by 10%, it is **38.6080, 53.9494, 49.4397**.

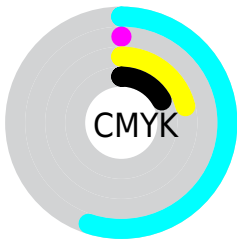
Distribution



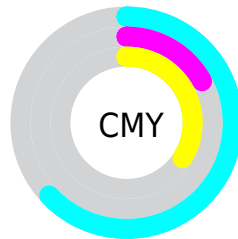
- Red (37%)
- Green (83%)
- Blue (66%)



- Red (37%)
- Yellow (65%)
- Blue (83%)



- Cyan (55%)
- Magenta (0%)
- Yellow (21%)
- Black (17%)





- Cyan (63%)
- Magenta (17%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.3307, 52.3470, 45.2877 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 35.3307, 52.3470, 45.2877 by changing the saturation by 10% instead.


 35.3307, 52.3470,
45.2877


 35.3307, 52.3470,
45.2877


317.5081,
395.7748, 384.1316


 24.0854, 37.2817,
31.3395


 67.3284, 93.6428,
84.4750


 15.5221, 25.4257,
20.5969


 88.8116, 120.6421,
110.5512

 9.2753, 16.3945,
12.6413


 114.4381,
152.3882, 141.5071

 4.9797, 9.8037,
7.0542

 144.5733,
189.2656, 177.7612

 2.2700, 5.2690,
3.4171

179.5825,
231.6585, 219.7322

 0.7793, 2.4060,
1.3113

219.8312,

 0.0000, 0.8290,

279.9514, 267.8386

0.0710

265.6846,
334.5287, 322.4989

■ 0.0000, 0.0000,
0.0000

■ 35.3307, 52.3470,
45.2877

■ 35.3307, 52.3470,
45.2877

■ 32.7010, 51.0759,
41.4060

■ 38.6080, 53.9494,
49.4397

■ 30.6639, 50.1038,
37.7845

■ 42.5736, 55.8999,
53.8648

■ 29.1620, 49.4025,
34.4173

■ 47.2699, 58.2216,
58.5699

■ 28.1238, 48.9353,
31.2966

■ 52.7344, 60.9339,
63.5608

■ 27.7279, 48.7622,
29.8784

■ 59.0021, 64.0546,
68.8430

66.1057, 67.6005,
74.4217

74.0761, 71.5875,
80.3020

79.3196, 74.1629,
86.3194

80.4769, 74.6258,
92.4137

Harmonies

Analogous

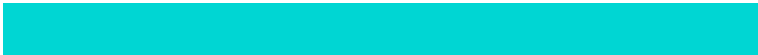
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



38.9154, 52.3470, 29.3239



35.3307, 52.3470, 45.2877



35.2939, 52.3470, 70.0003

Triad

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



35.3307, 52.3470, 45.2877



54.1086, 52.3470, 116.8578



62.5862, 52.3470, 29.5567

Complementary

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



35.3307, 52.3470, 45.2877



35.9055, 24.0469, 27.1772

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.



67.7065, 52.3470, 45.7128



35.3307, 52.3470, 45.2877



62.4392, 52.3470, 98.1733

Square

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



35.3307, 52.3470, 45.2877



45.4774, 52.3470, 116.6443



67.6498, 52.3470, 70.5683



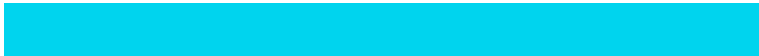
54.2912, 52.3470, 22.2083

Rectangle

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



35.3307, 52.3470, 45.2877



37.2551, 52.3470, 88.7600



67.6498, 52.3470, 70.5683



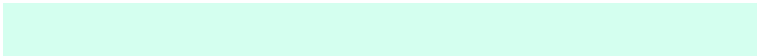
64.7763, 52.3470, 33.8907

Sweetspot

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



35.3321, 52.3491, 45.2889



78.3458, 91.6792, 94.9933



36.4007, 53.4778, 19.2310



16.3983, 19.4389, 19.9993



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.



35.3321, 52.3491, 45.2889



49.1443, 77.3245, 62.0331



36.8788, 47.7368, 69.5602



12.5849, 14.0250, 14.8948



17.1672, 30.1222, 18.7082



1.0750, 1.8327, 1.3368

Inverse Universe

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



35.9055, 24.0469, 27.1772



50.1286, 30.2297, 32.0448



34.6499, 25.6874, 13.9592



12.6145, 12.4973, 13.9103



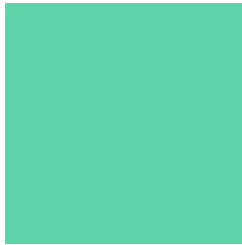
17.6946, 9.0142, 5.6957



1.1068, 0.5595, 0.5518

Previews

White Background



This preview shows how the XYZ color 35.3307, 52.3470, 45.2877 looks on a white background.

Color Contrast Check

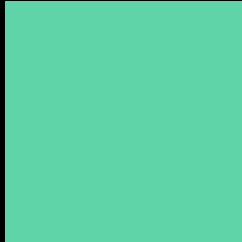
Large Text (above 18pt) WCAG AA × Fail

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 35.3307, 52.3470, 45.2877 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

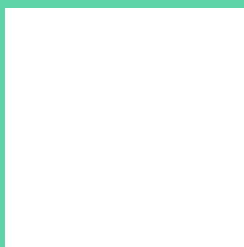
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.3307, 52.3470, 45.2877

Background



This preview shows how black text looks on a background with the XYZ color 35.3307, 52.3470, 45.2877.

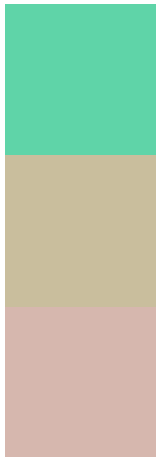


This preview shows how white text looks on a background with the XYZ color 35.3307, 52.3470,

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

35.3307, 52.3470, 45.2877

Protanopia

48.5867, 51.6787, 39.3125

Deuteranopia

52.3050, 51.2191, 47.1739



Tritanopia

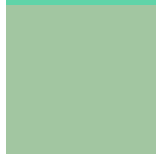
41.5646, 52.3278, 76.3162

Trichromacy



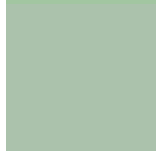
Original Color

35.3307, 52.3470, 45.2877



Protanomaly

41.5274, 50.6428, 41.3045



Deuteranomaly

43.5328, 50.2201, 46.4287



Tritanomaly

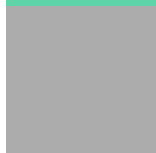
39.1604, 52.4402, 63.9351

Monochromacy



Original Color

35.3307, 52.3470, 45.2877



Achromatopsia

39.2122, 41.2543, 44.9259



Achromatomaly

36.6226, 44.4102, 45.1699

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.3307, 52.3470, 45.2877 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(95, 212, 168)` looks like.

```
.text, #text, p{  
    color:rgb(95, 212, 168)  
}
```

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(95, 212, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 212, 168) }
```

Border

The CSS property to change the border of an element to XYZ 35.3307, 52.3470, 45.2877 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(95, 212, 168) }
```


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

```
.border{ border-color:rgb(95, 212, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 212, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 212, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 212, 168);  
box-shadow:4px 4px 4px 4px rgb(95, 212,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 35.3307, 52.3470, 45.2877 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 212, 168) }
```

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

```
.background{ background-color: rgb(95, 212,  
168) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor