

Converting Colors

XYZ(33.1552, 52.2352, 36.8643)

Have a look what the booklet for
XYZ(33.1552, 52.2352, 36.8643)
contains.

XYZ(33.1275, 52.1479, 36.7533)	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(33.1275, 52.1479,
36.7533)**

Conversions

Conversions Part 1

Format	Color
Hex	54D695
RGB	84, 214, 149
RGB Percent	33%, 84%, 58%
CMY	0.6706, 0.1608, 0.4157
CMYK	0.61, 0.00, 0.30, 0.16
HSL	150°, 61%, 58%
HSV	150°, 61%, 84%
XYZ	33.1275, 52.1479, 36.7533
YIQ	167.7200, -56.6150, -47.7750

Conversions

Conversions Part 2

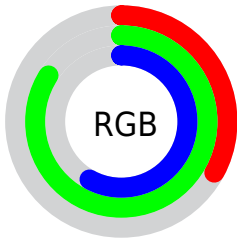
Format	Color
RYB	84, 171, 214
Decimal	5559957
CIELab	77.37, -50.58, 21.73
CIELCh	77, 55.049, 156.754
Yxy	52.1479, 0.2715, 0.4273
Android (android.graphics.Color)	4283750037 (0xFF54D695)
YUV	167.7200, -9.2290, -73.4224
Hunter-Lab	72.2135, -44.4879, 20.3736

Details

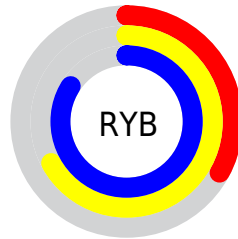
The XYZ color **33.1275, 52.1479, 36.7533** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **36.3283, 22.8078, 30.9231**, and the grayscale version is **37.1469, 39.0815, 42.5597**.

A 20% lighter version of the original color is **58.0411, 81.7611, 69.2223**, and **14.4315, 25.3356, 15.6849** is the 20% darker color. If you saturate the color by 10%, you get **30.6814, 50.9825, 32.3830**, and if you desaturate by 10%, it is **36.2398, 53.6504, 41.5669**.

Distribution



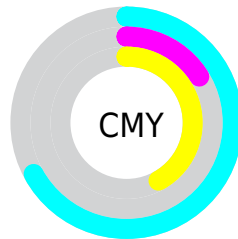
- Red (33%)
- Green (84%)
- Blue (58%)



- Red (33%)
- Yellow (67%)
- Blue (84%)



- Cyan (61%)
- Magenta (0%)
- Yellow (30%)
- Black (16%)





- Cyan (67%)
- Magenta (16%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.1275, 52.1479, 36.7533 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 33.1275, 52.1479, 36.7533 by changing the saturation by 10% instead.


 33.1275, 52.1479,
36.7533


 33.1275, 52.1479,
36.7533


307.8787,
395.0073, 347.3777

 22.3838, 37.1230,
24.7223


 63.9279, 93.3493,
71.3753


 14.2574, 25.3027,
15.6531


 84.7153, 120.2946,
94.8033

 8.3828, 16.3027,
9.1273


 109.5814,
151.9822, 122.8674

 4.3947, 9.7386,
4.7264

 138.8914,
188.7963, 155.9861

 1.9278, 5.2260,
2.0317

173.0108,
231.1215, 194.5779

 0.5929, 2.3805,
0.5747

212.3050,

 0.0000, 0.8158,

279.3422, 239.0614

0.0000

257.1391,
333.8426, 289.8552

■ 0.0000, 0.0000,
0.0000

■ 33.1275, 52.1479,
36.7533

■ 33.1275, 52.1479,
36.7533

■ 30.6814, 50.9825,
32.3830

■ 36.2398, 53.6504,
41.5669

■ 28.8401, 50.1187,
28.4386

■ 40.0645, 55.5096,
46.8331

■ 27.5371, 49.5238,
24.9068

■ 44.6482, 57.7504,
52.5653

■ 26.7014, 49.1566,
21.9909

■ 50.0322, 60.3941,
58.7753

■ 56.2549, 63.4602,
65.4745

■ 63.3519, 66.9668,
72.6736

■ 71.3568, 70.9312,
80.3833

■ 80.2259, 75.3304,
88.6102

■ 81.8156, 75.9663,
96.9815

Harmonies

Analogous

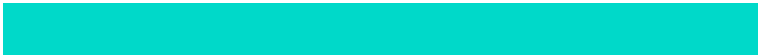
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



38.3636, 52.1479, 21.7289



33.1275, 52.1479, 36.7533



31.9865, 52.1479, 63.9095

Triad

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



33.1275, 52.1479, 36.7533



51.9956, 52.1479, 136.4922



67.7121, 52.1479, 28.5708

Complementary

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



33.1275, 52.1479, 36.7533



36.3283, 22.8078, 30.9231

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.



72.6306, 52.1479, 50.2019



33.1275, 52.1479, 36.7533



62.7586, 52.1479, 117.4051

Square

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



33.1275, 52.1479, 36.7533



41.9631, 52.1479, 128.8777



70.6998, 52.1479, 83.0129



58.0337, 52.1479, 18.3146

Rectangle

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



33.1275, 52.1479, 36.7533



33.5313, 52.1479, 87.2448



70.6998, 52.1479, 83.0129



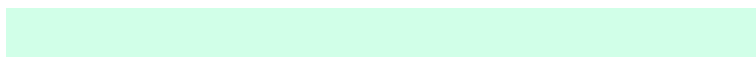
70.0353, 52.1479, 34.3882

Sweetspot

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



33.1289, 52.1500, 36.7545



76.6553, 90.9189, 89.8898



38.4419, 55.3308, 17.0418



15.8565, 19.1893, 18.6315



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.



33.1289, 52.1500, 36.7545



44.7184, 75.3856, 46.3408



39.5670, 54.7253, 70.6574



12.5188, 13.9985, 14.5463



16.1912, 29.7318, 13.5683



1.0184, 1.8100, 1.0384

Inverse Universe

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



36.3283, 22.8078, 30.9231



49.8740, 28.1038, 36.9441



32.5897, 21.3123, 11.2358



12.6796, 12.5233, 14.2531



18.4186, 9.3038, 9.5084



1.1527, 0.5779, 0.7935

Previews

White Background



This preview shows how the XYZ color 33.1275, 52.1479, 36.7533 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 33.1275, 52.1479, 36.7533 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

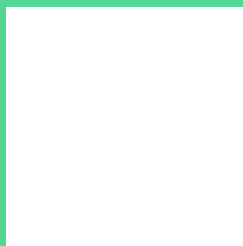
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.1275, 52.1479, 36.7533

Background



This preview shows how black text looks on a background with the XYZ color 33.1275, 52.1479, 36.7533.

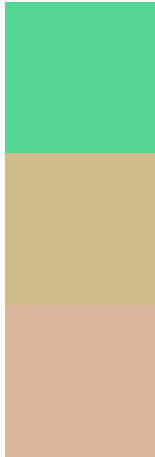


This preview shows how white text looks on a background with the XYZ color 33.1275, 52.1479,

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

33.1275, 52.1479, 36.7533

Protanopia

47.6869, 51.0675, 31.3884

Deuteranopia

52.2439, 51.0718, 38.5568



Tritanopia

40.9459, 52.0089, 76.2873

Trichromacy



Original Color

33.1275, 52.1479, 36.7533



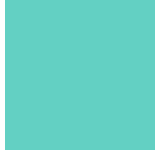
Protanomaly

39.5738, 49.8147, 33.1206



Deuteranomaly

41.8361, 49.5414, 37.4944



Tritanomaly

37.5518, 51.7045, 59.6305

Monochromacy



Original Color

33.1275, 52.1479, 36.7533



Achromatopsia

37.2190, 39.1572, 42.6422



Achromatomaly

34.0985, 42.5895, 40.1416

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.1275, 52.1479, 36.7533 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(84, 214, 149)` looks like.

```
.text, #text, p{  
    color:rgb(84, 214, 149)  
}
```

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(84, 214, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 214, 149) }
```

Border

The CSS property to change the border of an element to XYZ 33.1275, 52.1479, 36.7533 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(84, 214, 149) }
```


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

```
.border{ border-color:rgb(84, 214, 149) }
```

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

Here you see how a box with a 4 pixel rgb(84, 214, 149) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 214, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 214, 149);  
box-shadow:4px 4px 4px 4px rgb(84, 214,  
149) }
```

Background

The CSS property to change the background color of an element to XYZ 33.1275, 52.1479, 36.7533 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 214, 149) }
```

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

```
.background{ background-color: rgb(84, 214,  
149) }
```

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