

Converting Colors

XYZ(53.1393, 70.3822, 53.6889)

Have a look what the booklet for
XYZ(53.1393, 70.3822, 53.6889)
contains.

XYZ(53.1549, 70.5638, 53.4665)	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(53.1549, 70.5638,
53.4665)**

Conversions

Conversions Part 1

Format	Color
Hex	A4EBB3
RGB	164, 235, 179
RGB Percent	64%, 92%, 70%
CMY	0.3569, 0.0784, 0.2980
CMYK	0.30, 0.00, 0.24, 0.08
HSL	133°, 64%, 78%
HSV	133°, 30%, 92%
XYZ	53.1549, 70.5638, 53.4665
YIQ	207.3870, -24.3400, -32.4680

Conversions

Conversions Part 2

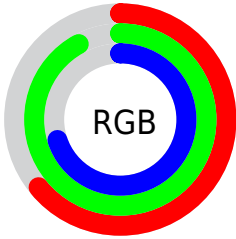
Format	Color
RYB	164, 223, 235
Decimal	10808243
CIELab	87.27, -33.20, 20.27
CIELCh	87, 38.896, 148.592
Yxy	70.5638, 0.3000, 0.3982
Android (android.graphics.Color)	4288998323 (0xFFA4EBB3)
YUV	207.3870, -13.9948, -38.0504
Hunter-Lab	84.0023, -34.0528, 21.0642

Details

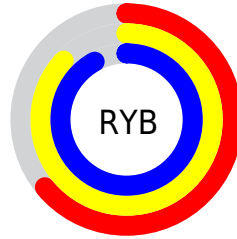
The XYZ color **53.1549, 70.5638, 53.4665** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **60.4571, 49.3821, 74.0584**, and the grayscale version is **59.6580, 62.7649, 68.3510**.

A 20% lighter version of the original color is **80.2706, 92.7338, 92.2660**, and **26.3164, 37.0616, 25.5052** is the 20% darker color. If you saturate the color by 10%, you get **46.9956, 67.5928, 44.0419**, and if you desaturate by 10%, it is **60.4661, 74.1035, 64.2635**.

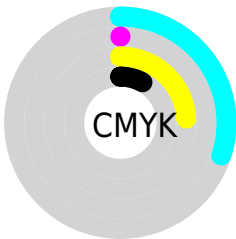
Distribution



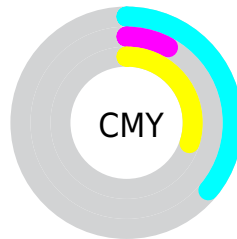
- Red (64%)
- Green (92%)
- Blue (70%)



- Red (64%)
- Yellow (87%)
- Blue (92%)



- Cyan (30%)
- Magenta (0%)
- Yellow (24%)
- Black (8%)





- Cyan (36%)
- Magenta (8%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.1549, 70.5638, 53.4665 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 53.1549, 70.5638, 53.4665 by changing the saturation by 10% instead.


 53.1549, 70.5638,
53.4665


 53.1549, 70.5638,
53.4665


389.1303,
462.5271, 417.1893

 38.1544, 51.9863,
37.7850


 93.9964, 120.0124,
96.7390

 26.2803, 36.9942,
25.5154


 120.5682,
151.6523, 125.1670

 17.1672, 25.2030,
16.2389

151.7278,
188.4152, 158.6810

 10.4498, 16.2283,
9.5372

187.8405,
230.6853, 197.6996

 5.7628, 9.6859,
4.9916

229.2718,
278.8472, 242.6411

 2.7407, 5.1912,
2.1837

276.3869,

 1.0181, 2.3599,

333.2852, 293.9242

0.6649

329.5513,
394.3837, 351.9674

0.0000, 0.8051,
0.0000

0.0000, 0.0000,
0.0000

53.1549, 70.5638,
53.4665

53.1549, 70.5638,
53.4665

46.9956, 67.5928,
44.0419

60.4661, 74.1035,
64.2635

41.9232, 65.1522,
35.9300

68.9786, 78.2302,
76.4800

37.8746, 63.2126,
29.0739

78.7458, 82.9726,
90.1665

34.7780, 61.7384,
23.4105

88.7023, 87.7804,
105.3177

■ 32.5518, 60.6889,
18.8712

■ 88.9996, 87.8993,
106.8832

■ 31.0999, 60.0162,
15.3802

■ 30.2778, 59.6465,
12.8951

Harmonies

Analogous

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



59.0019, 70.5638, 40.5592



53.1549, 70.5638, 53.4665



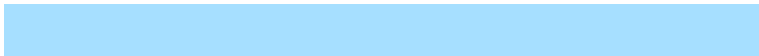
50.9836, 70.5638, 75.6015

Triad

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



53.1549, 70.5638, 53.4665



66.6378, 70.5638, 138.9600



83.7204, 70.5638, 55.1668

Complementary

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



53.1549, 70.5638, 53.4665



60.4571, 49.3821, 74.0584

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.



86.2245, 70.5638, 78.0757



53.1549, 70.5638, 53.4665



75.8393, 70.5638, 130.0644

Square

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



53.1549, 70.5638, 53.4665



58.3177, 70.5638, 128.3152



83.2207, 70.5638, 106.1715



76.6542, 70.5638, 41.3726

Rectangle

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



53.1549, 70.5638, 53.4665



51.7472, 70.5638, 94.0293



83.2207, 70.5638, 106.1715



85.1504, 70.5638, 61.8708

Sweetspot

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



53.1568, 70.5668, 53.4681



84.3262, 94.7927, 93.8954



66.1698, 77.4411, 46.5829



17.7034, 20.1217, 19.6077



0.0000, 0.0000, 0.0000



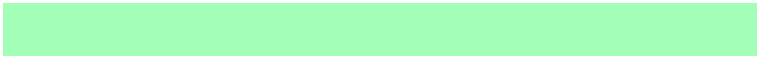
20.3446, 21.4041, 23.3091

Same Dimension

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



53.1568, 70.5668, 53.4681



59.4103, 82.7297, 57.4157



57.1197, 72.1519, 74.3363



14.9985, 16.9142, 16.6751



16.8879, 33.2096, 7.3749



1.3606, 2.6215, 0.7605

Inverse Universe

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



60.4571, 49.3821, 74.0584



69.4559, 53.5587, 85.7342



56.3272, 47.7301, 52.3107



15.5706, 15.2561, 18.2900



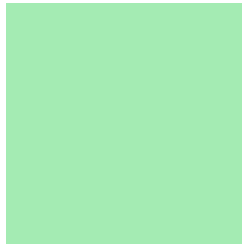
24.0106, 11.8069, 26.9210



1.9194, 0.9407, 2.2932

Previews

White Background



This preview shows how the XYZ color 53.1549, 70.5638, 53.4665 looks on a white background.

Color Contrast Check

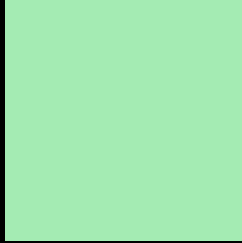
Large Text (above 18pt) WCAG AA × Fail

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 53.1549, 70.5638, 53.4665 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

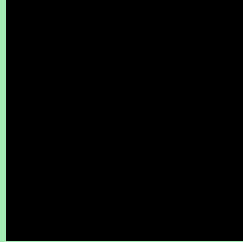
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 53.1549, 70.5638, 53.4665

Background



This preview shows how black text looks on a background with the XYZ color 53.1549, 70.5638, 53.4665.



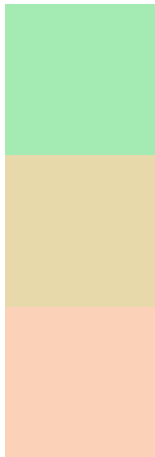
This preview shows how white text looks on a background with the XYZ color 53.1549, 70.5638,

53.4665.

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

53.1549, 70.5638, 53.4665

Protanopia

65.4423, 69.7218, 48.5366

Deuteranopia

71.4820, 70.0631, 55.1034



Tritanopia

61.6570, 70.2715, 95.9020

Trichromacy



Original Color

53.1549, 70.5638, 53.4665



Protanomaly

60.0278, 69.6327, 50.3211



Deuteranomaly

62.9884, 69.1005, 54.2739



Tritanomaly

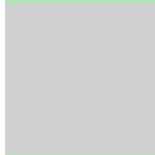
57.9508, 69.9766, 78.1626

Monochromacy



Original Color

53.1549, 70.5638, 53.4665



Achromatopsia

59.3074, 62.3960, 67.9493



Achromatomaly

56.3768, 64.7333, 62.3467

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.1549, 70.5638, 53.4665 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(164, 235, 179)` looks like.

```
.text, #text, p{  
    color:rgb(164, 235, 179)  
}
```

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(164, 235, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 235, 179) }
```

Border

The CSS property to change the border of an element to XYZ 53.1549, 70.5638, 53.4665 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(164, 235, 179) }
```


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

```
.border{ border-color:rgb(164, 235, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 235, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 235, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 235, 179);  
box-shadow:4px 4px 4px 4px rgb(164, 235,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 53.1549, 70.5638, 53.4665 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 235, 179) }
```

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

```
.background{ background-color: rgb(164,  
235, 179) }
```

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