

# Converting Colors

XYZ(42.2637, 53.8962, 54.2714)

Have a look what the booklet for  
XYZ(42.2637, 53.8962, 54.2714)  
contains.

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# Color

**XYZ(42.2251, 53.8792,  
54.0732)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8ECFB9
RGB	142, 207, 185
RGB Percent	56%, 81%, 73%
CMY	0.4431, 0.1882, 0.2745
CMYK	0.31, 0.00, 0.11, 0.19
HSL	160°, 40%, 68%
HSV	160°, 31%, 81%
XYZ	42.2251, 53.8792, 54.0732
YIQ	185.0570, -31.6780, -20.6220

# Conversions

## Conversions Part 2

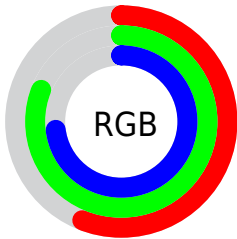
Format	Color
<a href="#">RYB</a>	<a href="#">142, 181, 207</a>
Decimal	<a href="#">9359289</a>
CIELab	<a href="#">78.39, -25.34, 4.36</a>
CIELCh	<a href="#">78, 25.714, 170.233</a>
Yxy	<a href="#">53.8792, 0.2812, 0.3588</a>
Android (android.graphics.Color)	<a href="#">4287549369 (0xFF8ECFB9)</a>
YUV	<a href="#">185.0570, -0.0281, -37.7610</a>
Hunter-Lab	<a href="#">73.4025, -25.7713, 7.7047</a>

# Details

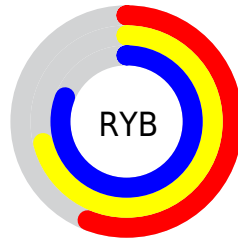
The XYZ color **42.2251, 53.8792, 54.0732** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **42.1078, 35.2931, 39.7170**, and the grayscale version is **46.1598, 48.5637, 52.8858**.

A 20% lighter version of the original color is **74.6631, 89.7412, 96.6057**, and **19.5129, 26.2463, 25.8674** is the 20% darker color. If you saturate the color by 10%, you get **38.2767, 51.9285, 50.1226**, and if you desaturate by 10%, it is **46.8726, 56.1889, 58.2492**.

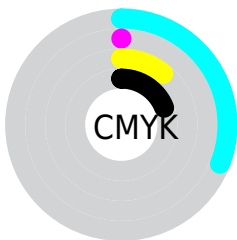
# Distribution



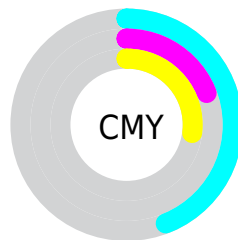
- Red (56%)
- Green (81%)
- Blue (73%)



- Red (56%)
- Yellow (71%)
- Blue (81%)



- Cyan (31%)
- Magenta (0%)
- Yellow (11%)
- Black (19%)




- Cyan (44%)
- Magenta (19%)
- Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.2251, 53.8792, 54.0732 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 42.2251, 53.8792, 54.0732 by changing the saturation by 10% instead.




 42.2251, 53.8792,  
54.0732


 42.2251, 53.8792,  
54.0732


346.3910,  
401.6492, 419.5716

 29.4695, 38.5051,  
38.2666


 77.8032, 95.8969,  
97.6392

 19.5823, 26.3749,  
25.8862


 101.3564,  
123.3092, 126.2357

 12.1983, 17.1043,  
16.5136


129.2395,  
155.5031, 159.9326

 6.9520, 10.3089,  
9.7300

161.8179,  
192.8629, 199.1484

 3.4782, 5.6043,  
5.1171

199.4568,  
235.7730, 244.3016

 1.4114, 2.6060,  
2.2562

242.5218,

 0.2643, 0.9297,

284.6178, 295.8109

0.7065

291.3780,  
339.7817, 354.0947

■ 0.0000, 0.0000,  
0.0000

■ 42.2251, 53.8792,  
54.0732

■ 42.2251, 53.8792,  
54.0732

■ 38.2767, 51.9285,  
50.1226

■ 46.8726, 56.1889,  
58.2492

■ 34.9856, 50.3111,  
46.3892

■ 52.2488, 58.8686,  
62.6511

■ 32.3128, 49.0084,  
42.8695


■ 58.3872, 61.9369,  
67.2843


■ 30.2129, 47.9970,  
39.5587


■ 65.3179, 65.4092,  
72.1527


■ 28.6341, 47.2502,  
36.4515


■ 73.0691, 69.3001,  
77.2601


 27.5145, 46.7362,  
33.5418

 77.4248, 71.4360,  
82.4117

 26.8245, 46.4319,  
31.1912

 78.4122, 71.8309,  
87.6112

 79.4394, 72.2418,  
93.0204

 80.5069, 72.6688,  
98.6416

# Harmonies

## Analogous

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



44.1038, 53.8792, 42.6146



42.2251, 53.8792, 54.0732



42.6295, 53.8792, 68.8176

# Triad

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



42.2251, 53.8792, 54.0732



54.6426, 53.8792, 88.8171



57.6761, 53.8792, 39.7813

# Complementary

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



42.2251, 53.8792, 54.0732



42.1078, 35.2931, 39.7170

# 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.



60.8722, 53.8792, 49.5640



42.2251, 53.8792, 54.0732



59.0425, 53.8792, 78.3117

# Square

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



42.2251, 53.8792, 54.0732



49.5810, 53.8792, 90.5594



61.3881, 53.8792, 63.5103



52.8755, 53.8792, 35.3060



# Rectangle

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



42.2251, 53.8792, 54.0732



44.1498, 53.8792, 78.5220



61.3881, 53.8792, 63.5103



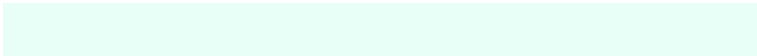
58.9867, 53.8792, 42.4747

# Sweetspot

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



42.2266, 53.8814, 54.0744



85.8792, 95.4139, 102.0737



42.6621, 54.5535, 33.8734



18.0851, 20.2744, 21.6180



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

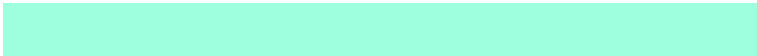


# Same Dimension

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



42.2266, 53.8814, 54.0744



63.0919, 84.0839, 82.1528



42.4426, 50.3040, 66.5067



11.9812, 13.3362, 14.2574



16.9457, 29.2712, 19.8919



0.9837, 1.6512, 1.3031



# Inverse Universe

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



42.1078, 35.2931, 39.7170



62.8768, 49.5050, 55.4737



41.8040, 37.5952, 30.6453



11.9715, 11.8733, 13.1257



16.9501, 8.6529, 4.6434



0.9845, 0.4985, 0.4531



# Previews

## White Background



This preview shows how the XYZ color 42.2251, 53.8792, 54.0732 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

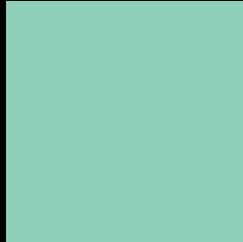
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 42.2251, 53.8792, 54.0732 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

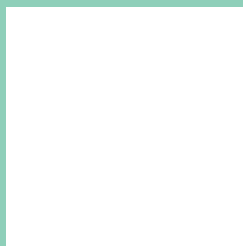
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 42.2251, 53.8792, 54.0732**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.2251, 53.8792, 54.0732.



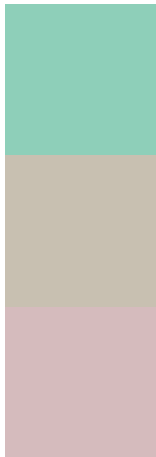
This preview shows how white text looks on a background with the XYZ color 42.2251, 53.8792,

54.0732.

# 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

42.2251, 53.8792, 54.0732

### Protanopia

50.6049, 53.1530, 49.1874

### Deuteranopia

54.3962, 53.3609, 55.5768



## Tritanopia

46.1698, 53.6926, 74.2600

# Trichromacy



## Original Color

42.2251, 53.8792, 54.0732

## Protanomaly

46.7949, 52.8115, 50.9073

## Deuteranomaly

48.8624, 52.7792, 55.1890

## Tritanomaly

44.5875, 53.7530, 66.4179

# Monochromacy



## Original Color

42.2251, 53.8792, 54.0732

## Achromatopsia

46.1135, 48.5150, 52.8328

## Achromatomaly

44.1891, 50.0777, 53.2359

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.2251, 53.8792, 54.0732 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(142, 207, 185)` looks like.

```
.text, #text, p{  
    color:rgb(142, 207, 185)  
}
```

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(142, 207, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 207, 185) }
```

## Border

The CSS property to change the border of an element to XYZ 42.2251, 53.8792, 54.0732 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(142, 207, 185) }
```



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

```
.border{ border-color:rgb(142, 207, 185) }
```

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

Here you see how a box with a 4 pixel rgb(142, 207, 185) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 207, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 207, 185);  
box-shadow:4px 4px 4px 4px rgb(142, 207,  
185) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.2251, 53.8792, 54.0732 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 207, 185) }
```

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

```
.background{ background-color: rgb(142,  
207, 185) }
```

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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