

# Converting Colors

XYZ(52.3700, 71.1055, 52.4802)

Have a look what the booklet for  
XYZ(52.3700, 71.1055, 52.4802)  
contains.

<b>XYZ(52.3205, 71.0118, 52.5440)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(52.3205, 71.0118,  
52.5440)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9EEDB1
RGB	158, 237, 177
RGB Percent	62%, 93%, 69%
CMY	0.3804, 0.0706, 0.3059
CMYK	0.33, 0.00, 0.25, 0.07
HSL	134°, 69%, 77%
HSV	134°, 33%, 93%
XYZ	52.3205, 71.0118, 52.5440
YIQ	206.5390, -27.8240, -35.4080

# Conversions

## Conversions Part 2

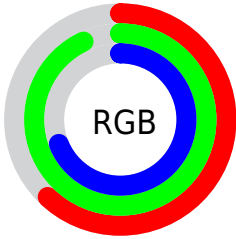
Format	Color
<a href="#">RYB</a>	<a href="#">158, 222, 237</a>
Decimal	<a href="#">10415537</a>
CIELab	<a href="#">87.49, -36.30, 21.56</a>
CIELCh	<a href="#">87, 42.222, 149.297</a>
Yxy	<a href="#">71.0118, 0.2975, 0.4038</a>
Android (android.graphics.Color)	<a href="#">4288605617</a> ( <a href="#">0xFF9EEDB1</a> )
YUV	<a href="#">206.5390, -14.5627, -42.5687</a>
Hunter-Lab	<a href="#">84.2685, -36.6431, 22.0188</a>

# Details

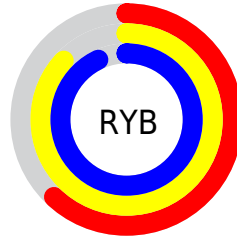
The XYZ color **52.3205, 71.0118, 52.5440** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **59.8091, 47.5217, 72.3527**, and the grayscale version is **59.1166, 62.1953, 67.7307**.

A 20% lighter version of the original color is **78.4923, 91.8503, 90.6827**, and **25.8709, 37.4460, 24.9331** is the 20% darker color. If you saturate the color by 10%, you get **46.4232, 68.1675, 43.5125**, and if you desaturate by 10%, it is **59.3572, 74.4202, 62.8673**.

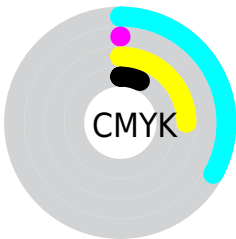
# Distribution



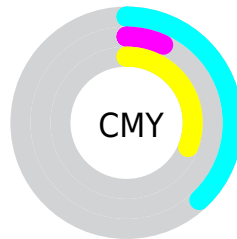
- Red (62%)
- Green (93%)
- Blue (69%)



- Red (62%)
- Yellow (87%)
- Blue (93%)



- Cyan (33%)
- Magenta (0%)
- Yellow (25%)
- Black (7%)




- Cyan (38%)
- Magenta (7%)
- Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.3205, 71.0118, 52.5440 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 52.3205, 71.0118, 52.5440 by changing the saturation by 10% instead.





 52.3205, 71.0118,  
52.5440


 52.3205, 71.0118,  
52.5440


385.9763,  
464.0947, 413.5497

 37.4859, 52.3518,  
37.0536


 92.7752, 120.6505,  
95.3678

 25.7593, 37.2856,  
24.9529


 119.1260,  
152.3981, 123.5383

 16.7754, 25.4287,  
15.8233


150.0462,  
189.2769, 156.7725

 10.1688, 16.3967,  
9.2462

185.9012,  
231.6715, 195.4892

 5.5741, 9.8053,  
4.8031

227.0564,  
279.9661, 240.1066

 2.6261, 5.2701,  
2.0755

273.8770,

 0.9593, 2.4066,

334.5453, 291.0435

0.6011

326.7286,  
395.7934, 348.7184

0.0000, 0.8293,  
0.0000

0.0000, 0.0000,  
0.0000

52.3205, 71.0118,  
52.5440

52.3205, 71.0118,  
52.5440

46.4232, 68.1675,  
43.5125

59.3572, 74.4202,  
62.8673

41.5987, 65.8479,  
35.7172

67.5841, 78.4118,  
74.5256

37.7819, 64.0226,  
29.1055

77.0557, 83.0157,  
87.5660

34.8981, 62.6544,  
23.6189

87.8214, 88.2566,  
102.0320

■ 32.8616, 61.7004,  
19.1943

■ 89.5756, 89.0511,  
107.0752

■ 31.5700, 61.1092,  
15.7615

■ 31.0241, 60.8665,  
13.9843

# Harmonies

## Analogous

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



58.5440, 71.0118, 38.6506



52.3205, 71.0118, 52.5440



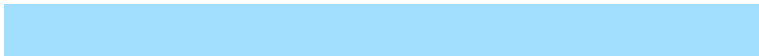
50.0872, 71.0118, 76.6480

# Triad

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



52.3205, 71.0118, 52.5440



67.2596, 71.0118, 146.2141



85.6263, 71.0118, 53.4512

# Complementary

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



52.3205, 71.0118, 52.5440



59.8091, 47.5217, 72.3527

# 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.



88.5295, 71.0118, 77.9955



52.3205, 71.0118, 52.5440



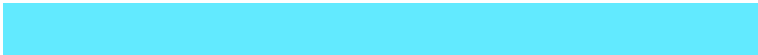
77.3139, 71.0118, 135.7452

# Square

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



52.3205, 71.0118, 52.5440



58.1742, 71.0118, 134.7671



85.3509, 71.0118, 108.8677



77.7608, 71.0118, 39.0765



# Rectangle

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



52.3205, 71.0118, 52.5440



50.9738, 71.0118, 96.9134



85.3509, 71.0118, 108.8677



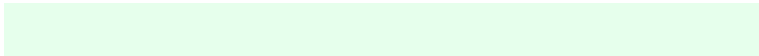
87.2473, 71.0118, 60.5628

# Sweetspot

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



52.3224, 71.0148, 52.5456



83.3199, 94.2952, 92.8869



65.5416, 78.0333, 43.9558



17.5071, 20.0243, 19.4287



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

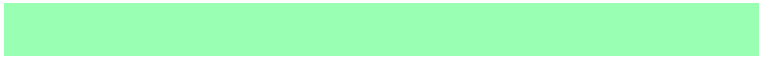


# Same Dimension

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



52.3224, 71.0148, 52.5456



56.8858, 81.4879, 54.6039



56.7729, 72.7950, 75.9817



15.0168, 16.9216, 16.7715



16.9801, 33.2465, 7.8604



1.3702, 2.6254, 0.8112



# Inverse Universe

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



59.8091, 47.5217, 72.3527



66.9800, 49.7820, 81.2869



55.2974, 45.7169, 48.5941



15.5509, 15.2482, 18.1865



23.6196, 11.6505, 24.8617

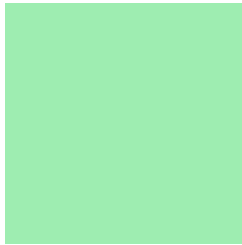


1.8918, 0.9297, 2.1476



# Previews

## White Background



This preview shows how the XYZ color 52.3205, 71.0118, 52.5440 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

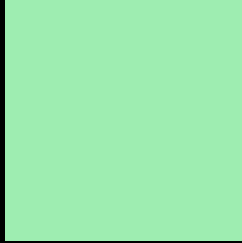
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 52.3205, 71.0118, 52.5440 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

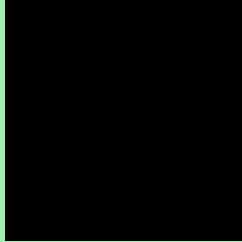
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 52.3205, 71.0118, 52.5440

## Background



This preview shows how black text looks on a background with the XYZ color 52.3205, 71.0118, 52.5440.



This preview shows how white text looks on a background with the XYZ color 52.3205, 71.0118,

52.5440.

# 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

52.3205, 71.0118, 52.5440

### Protanopia

65.7436, 70.2936, 47.1488

### Deuteranopia

71.7387, 70.2075, 54.5701



## Tritanopia

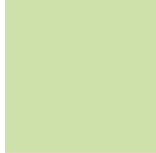
61.3912, 70.9113, 97.6404

# Trichromacy



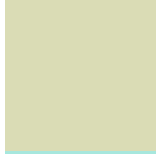
## Original Color

52.3205, 71.0118, 52.5440



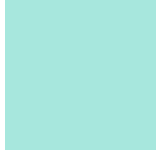
## Protanomaly

59.7295, 69.9125, 48.8745



## Deuteranomaly

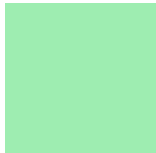
62.8471, 69.4280, 53.8046



## Tritanomaly

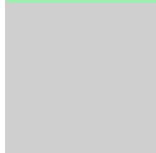
57.5634, 70.5878, 78.9975

# Monochromacy



## Original Color

52.3205, 71.0118, 52.5440



## Achromatopsia

59.3074, 62.3960, 67.9493



## Achromatomaly

56.0215, 64.9471, 61.8080

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.3205, 71.0118, 52.5440 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(158, 237, 177)` looks like.

```
.text, #text, p{  
    color:rgb(158, 237, 177)  
}
```

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(158, 237, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 237, 177) }
```

## Border

The CSS property to change the border of an element to XYZ 52.3205, 71.0118, 52.5440 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(158, 237, 177) }
```



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

```
.border{ border-color:rgb(158, 237, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 237, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 237, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 237, 177);  
box-shadow:4px 4px 4px 4px rgb(158, 237,  
177) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.3205, 71.0118, 52.5440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 237, 177) }
```

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

```
.background{ background-color: rgb(158,  
237, 177) }
```

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