

# Converting Colors

XYZ(52.0877, 64.5985, 59.2041)

Have a look what the booklet for  
XYZ(52.0877, 64.5985, 59.2041)  
contains.

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# Color

**XYZ(52.1028, 64.5502,  
59.0035)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AADEBF
RGB	170, 222, 191
RGB Percent	67%, 87%, 75%
CMY	0.3333, 0.1294, 0.2510
CMYK	0.23, 0.00, 0.14, 0.13
HSL	144°, 44%, 77%
HSV	144°, 23%, 87%
XYZ	52.1028, 64.5502, 59.0035
YIQ	202.9180, -21.0410, -20.6650

# Conversions

## Conversions Part 2

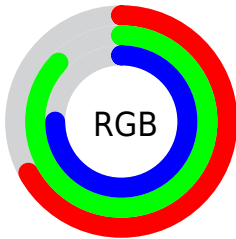
<b>Format</b>	<b>Color</b>
<b>RYB</b>	170, 207, 222
Decimal	11198143
CIELab	84.25, -22.91, 9.79
CIELCh	84, 24.915, 156.858
Yxy	64.5502, 0.2966, 0.3675
Android (android.graphics.Color)	4289388223 (0xFFAADEBF)
YUV	202.9180, -5.8756, -28.8691
Hunter-Lab	80.3431, -24.8426, 12.6980

# Details

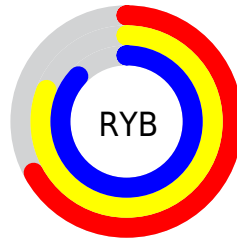
The XYZ color **52.1028, 64.5502, 59.0035** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **55.0438, 48.4976, 61.7210**, and the grayscale version is **56.7599, 59.7158, 65.0305**.

A 20% lighter version of the original color is **83.9125, 94.4042, 101.7948**, and **25.7423, 33.2543, 29.1067** is the 20% darker color. If you saturate the color by 10%, you get **46.3117, 61.7274, 51.4702**, and if you desaturate by 10%, it is **58.8395, 67.8489, 67.2709**.

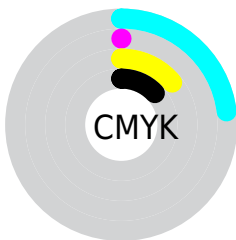
# Distribution



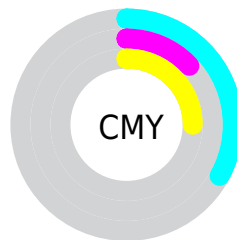
- Red (67%)
- Green (87%)
- Blue (75%)



- Red (67%)
- Yellow (81%)
- Blue (87%)



- Cyan (23%)
- Magenta (0%)
- Yellow (14%)
- Black (13%)



- Cyan (33%)
- Magenta (13%)
- Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.1028, 64.5502, 59.0035 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 52.1028, 64.5502, 59.0035 by changing the saturation by 10% instead.



■ 52.1028, 64.5502,  
59.0035

■ 52.1028, 64.5502,  
59.0035

385.1508,  
441.1738, 438.6171

■ 37.3116, 47.0964,  
42.1959

■ 92.4562, 111.4029,  
104.9119

■ 25.6236, 33.1119,  
28.9280

118.7491,  
141.5707, 134.8498

■ 16.6735, 22.2122,  
18.7813

149.6066,  
176.7453, 170.0016

■ 10.0958, 14.0129,  
11.3371

185.3940,  
217.3110, 210.7858

■ 5.5253, 8.1296,  
6.1770

226.4768,  
263.6524, 257.6208

■ 2.5965, 4.1780,  
2.8825


273.2203,

■ 0.9442, 1.7736,


316.1537, 310.9254


1.0350


325.9899,  
375.1994, 371.1180


 0.0000, 0.4707,  
0.0000


 0.0000, 0.0000,  
0.0000

 52.1028, 64.5502,  
59.0035


 52.1028, 64.5502,  
59.0035


 46.3117, 61.7274,  
51.4702


 58.8395, 67.8489,  
67.2709


 41.4168, 59.3499,  
44.6467

 66.5576, 71.6362,  
76.2875

 37.3720, 57.3963,  
38.5130

 75.2977, 75.9343,  
86.0733

 34.1248, 55.8399,  
33.0472

 83.6830, 80.0332,  
96.5801

■ 31.6166, 54.6510,  
28.2257

■ 85.4125, 80.7250,  
105.6875

■ 29.7801, 53.7953,  
24.0236

■ 28.5344, 53.2318,  
20.4140

■ 27.9531, 52.9773,  
18.3475

# Harmonies

## Analogous

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



55.2049, 64.5502, 48.6630



52.1028, 64.5502, 59.0035



51.4083, 64.5502, 73.9765

# Triad

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



52.1028, 64.5502, 59.0035



62.6291, 64.5502, 104.9842



70.2419, 64.5502, 53.5841

# Complementary

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



52.1028, 64.5502, 59.0035



55.0438, 48.4976, 61.7210

# 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.



72.5041, 64.5502, 66.7169



52.1028, 64.5502, 59.0035



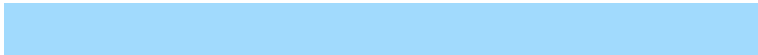
67.9415, 64.5502, 97.5147

# Square

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



52.1028, 64.5502, 59.0035



57.2761, 64.5502, 102.0997



71.6380, 64.5502, 82.9182



65.6189, 64.5502, 45.8773



# Rectangle

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



52.1028, 64.5502, 59.0035



52.3641, 64.5502, 84.9290



71.6380, 64.5502, 82.9182



71.3159, 64.5502, 57.4278

# Sweetspot

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



52.1046, 64.5529, 59.0049



87.1188, 96.1038, 99.8317



57.5205, 67.5931, 48.0461



18.5076, 20.5017, 21.2059



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

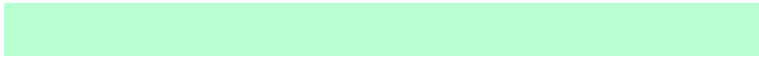


# Same Dimension

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



52.1046, 64.5529, 59.0049



67.3699, 86.4364, 75.7073



55.1994, 65.7908, 75.3019



13.7570, 15.4285, 15.7556



16.6546, 31.4867, 11.1699



1.1979, 2.1999, 1.0032



# Inverse Universe

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



55.0438, 48.4976, 61.7210



72.0479, 60.8752, 80.0244



52.2584, 47.3835, 47.0531



14.0485, 13.8370, 16.0256



20.4377, 10.2421, 14.2366

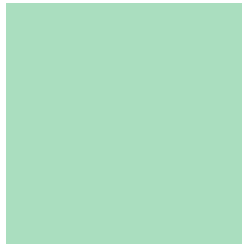


1.4606, 0.7275, 1.2184



# Previews

## White Background



This preview shows how the XYZ color 52.1028, 64.5502, 59.0035 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

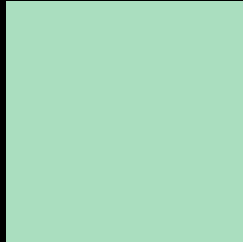
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 52.1028, 64.5502, 59.0035 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

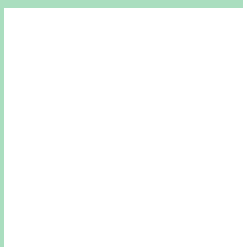
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 52.1028, 64.5502, 59.0035**

## **Background**



This preview shows how black text looks on a background with the XYZ color 52.1028, 64.5502, 59.0035.



This preview shows how white text looks on a background with the XYZ color 52.1028, 64.5502,



# 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

52.1028, 64.5502, 59.0035

### Protanopia

60.6656, 64.1217, 54.5267

### Deuteranopia

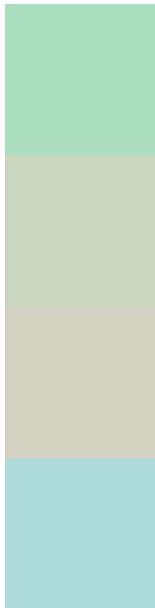
65.2318, 63.8434, 60.5147



## Tritanopia

57.6239, 64.4599, 86.4957

# Trichromacy



**Original Color**

52.1028, 64.5502, 59.0035

**Protanomaly**

57.1036, 64.0985, 56.3763

**Deuteranomaly**

59.4020, 63.3449, 60.1349

**Tritanomaly**

55.4055, 64.3187, 75.8242

# Monochromacy



**Original Color**

52.1028, 64.5502, 59.0035

**Achromatopsia**

56.7640, 59.7202, 65.0353

**Achromatomaly**

54.8413, 61.2931, 62.9731

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.1028, 64.5502, 59.0035 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(170, 222, 191)` looks like.

```
.text, #text, p{  
    color:rgb(170, 222, 191)  
}
```

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(170, 222, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 222, 191) }
```

## Border

The CSS property to change the border of an element to XYZ 52.1028, 64.5502, 59.0035 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(170, 222, 191) }
```



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

```
.border{ border-color:rgb(170, 222, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 222, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 222, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 222, 191);  
box-shadow:4px 4px 4px 4px rgb(170, 222,  
191) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.1028, 64.5502, 59.0035 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 222, 191) }
```

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

```
.background{ background-color: rgb(170,  
222, 191) }
```

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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