

# Converting Colors

XYZ(52.1757, 74.5742, 48.0237)

Have a look what the booklet for  
XYZ(52.1757, 74.5742, 48.0237)  
contains.

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# Color

**XYZ(52.2051, 74.5789,  
48.2029)**

# Conversions

## Conversions Part 1

Format	Color
Hex	96F5A7
RGB	150, 245, 167
RGB Percent	59%, 96%, 65%
CMY	0.4118, 0.0392, 0.3451
CMYK	0.39, 0.00, 0.32, 0.04
HSL	131°, 83%, 77%
HSV	131°, 39%, 96%
XYZ	52.2051, 74.5789, 48.2029
YIQ	207.7030, -31.5820, -44.3980

# Conversions

## Conversions Part 2

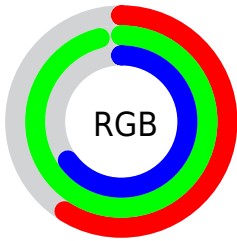
Format	Color
<a href="#">RYB</a>	<a href="#">150, 231, 245</a>
Decimal	<a href="#">9893287</a>
CIELab	<a href="#">89.20, -43.95, 28.94</a>
CIELCh	<a href="#">89, 52.626, 146.636</a>
Yxy	<a href="#">74.5789, 0.2983, 0.4262</a>
Android (android.graphics.Color)	<a href="#">4288083367 (0xFF96F5A7)</a>
YUV	<a href="#">207.7030, -20.0666, -50.6055</a>
Hunter-Lab	<a href="#">86.3591, -43.2230, 27.3576</a>

# Details

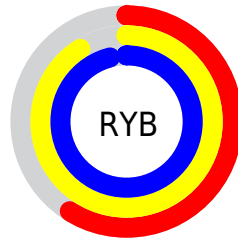
The XYZ color **52.2051, 74.5789, 48.2029** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **62.5685, 46.8280, 79.1423**, and the grayscale version is **59.9039, 63.0235, 68.6326**.

A 20% lighter version of the original color is **74.8114, 90.1131, 83.2626**, and **25.6366, 39.5610, 22.2044** is the 20% darker color. If you saturate the color by 10%, you get **46.4421, 71.8085, 38.9697**, and if you desaturate by 10%, it is **59.2037, 77.9571, 59.0071**.

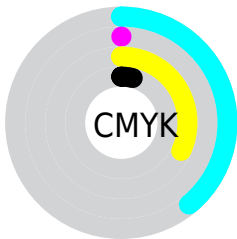
# Distribution



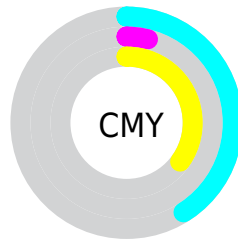
- Red (59%)
- Green (96%)
- Blue (65%)



- Red (59%)
- Yellow (91%)
- Blue (96%)



- Cyan (39%)
- Magenta (0%)
- Yellow (32%)
- Black (4%)




- Cyan (41%)
- Magenta (4%)
- Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.2051, 74.5789, 48.2029 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 52.2051, 74.5789, 48.2029 by changing the saturation by 10% instead.





 52.2051, 74.5789,  
48.2029


 52.2051, 74.5789,  
48.2029


385.5389,  
476.4689, 396.1277

 37.3935, 55.2680,  
33.6265


 92.6061, 125.7161,  
88.8751

 25.6874, 39.6163,  
22.3318


 118.9262,  
158.3112, 115.8080

 16.7214, 27.2395,  
13.9002


149.8132,  
196.1031, 147.6967

 10.1301, 17.7532,  
7.9133

185.6324,  
239.4762, 184.9599

 5.5482, 10.7729,  
3.9526

226.7492,  
288.8150, 228.0160

 2.6104, 5.9144,  
1.5994


273.5290,

 0.9513, 2.7931,


344.5037, 277.2837


0.2904


326.3371,  
406.9269, 333.1814


 0.0000, 1.0247,  
0.0000


 0.0000, 0.0000,  
0.0000


 52.2051, 74.5789,  
48.2029


 52.2051, 74.5789,  
48.2029


 46.4421, 71.8085,  
38.9697


 59.2037, 77.9571,  
59.0071


 41.8365, 69.6008,  
31.2296

 67.4988, 81.9666,  
71.4455

 38.3099, 67.9191,  
24.9053

 77.1539, 86.6411,  
85.5839

 35.7715, 66.7184,  
19.9109

 88.2269, 92.0090,  
101.4830

■ 34.1150, 65.9460,  
16.1506

■ 91.9439, 93.7878,  
107.8646

■ 33.1906, 65.5268,  
13.5152

■ 33.1056, 65.4885,  
13.2633

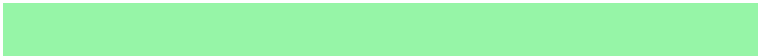
# Harmonies

## Analogous

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



60.3858, 74.5789, 32.9907



52.2051, 74.5789, 48.2029



48.9908, 74.5789, 77.1257

# Triad

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



52.2051, 74.5789, 48.2029



69.4464, 74.5789, 174.1796



95.3149, 74.5789, 53.4580

# Complementary

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



52.2051, 74.5789, 48.2029



62.5685, 46.8280, 79.1423

# 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.



98.4886, 74.5789, 85.4231



52.2051, 74.5789, 48.2029



82.5357, 74.5789, 162.1919

# Square

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



52.2051, 74.5789, 48.2029



58.1592, 74.5789, 155.7012



93.5612, 74.5789, 126.6113

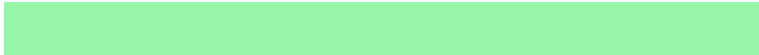


85.3436, 74.5789, 35.3190



# Rectangle

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



52.2051, 74.5789, 48.2029



49.7691, 74.5789, 103.1672



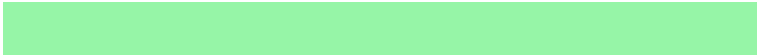
93.5612, 74.5789, 126.6113



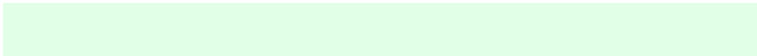
97.2605, 74.5789, 62.6022

# Sweetspot

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



52.2070, 74.5820, 48.2046



80.8901, 93.1375, 88.4856



70.5267, 84.1960, 41.3889



17.0129, 19.7896, 18.5000



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

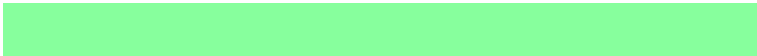


# Same Dimension

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



52.2070, 74.5820, 48.2046



51.8273, 79.1040, 44.2555



57.2848, 76.6131, 74.9438



16.4033, 18.5204, 18.1420



17.8694, 35.2926, 7.3322



1.6036, 3.1151, 0.8183



# Inverse Universe

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



62.5685, 46.8280, 79.1423



64.7119, 44.5446, 82.6924



56.9737, 44.5901, 49.6807



17.0789, 16.7144, 20.1621



26.0225, 12.7524, 31.1566



2.3196, 1.1338, 2.9096



# Previews

## White Background



This preview shows how the XYZ color 52.2051, 74.5789, 48.2029 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

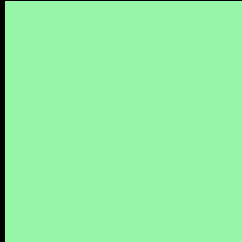
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 52.2051, 74.5789, 48.2029 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 52.2051, 74.5789, 48.2029**

## **Background**



This preview shows how black text looks on a background with the XYZ color 52.2051, 74.5789, 48.2029.



This preview shows how white text looks on a background with the XYZ color 52.2051, 74.5789,



# 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

52.2051, 74.5789, 48.2029

### Protanopia

68.4087, 73.7349, 42.5250

### Deuteranopia

74.0877, 73.2798, 55.0393



## Tritanopia

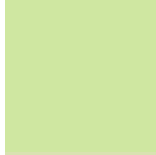
63.3009, 74.2623, 103.9263

# Trichromacy



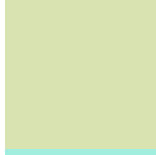
## Original Color

52.2051, 74.5789, 48.2029



## Protanomaly

60.7411, 72.9904, 44.6054



## Deuteranomaly

63.7474, 72.3188, 52.1940



## Tritanomaly

58.4573, 74.0001, 80.3097

# Monochromacy



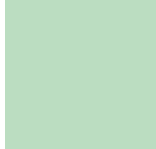
## Original Color

52.2051, 74.5789, 48.2029



## Achromatopsia

59.9535, 63.0757, 68.6895



## Achromatomaly

55.9756, 66.1280, 60.2658

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.2051, 74.5789, 48.2029 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(150, 245, 167)` looks like.

```
.text, #text, p{  
    color:rgb(150, 245, 167)  
}
```

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(150, 245, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 245, 167) }
```

## Border

The CSS property to change the border of an element to XYZ 52.2051, 74.5789, 48.2029 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(150, 245, 167) }
```



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

```
.border{ border-color:rgb(150, 245, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 245, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 245, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 245, 167);  
box-shadow:4px 4px 4px 4px rgb(150, 245,  
167) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.2051, 74.5789, 48.2029 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 245, 167) }
```

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

```
.background{ background-color: rgb(150,  
245, 167) }
```

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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