

# Converting Colors

XYZ(52.6227, 72.9954, 34.3713)

Have a look what the booklet for  
XYZ(52.6227, 72.9954, 34.3713)  
contains.

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# Color

**XYZ(52.5465, 72.8401,  
34.2117)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ACF087
RGB	172, 240, 135
RGB Percent	67%, 94%, 53%
CMY	0.3255, 0.0588, 0.4706
CMYK	0.28, 0.00, 0.44, 0.06
HSL	99°, 78%, 74%
HSV	99°, 44%, 94%
XYZ	52.5465, 72.8401, 34.2117
YIQ	207.6980, -6.8230, -47.0710

# Conversions

## Conversions Part 2

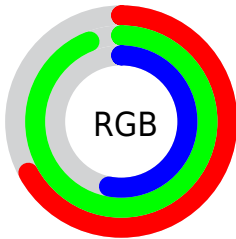
<b>Format</b>	<b>Color</b>
<b>RYB</b>	135, 240, 203
Decimal	11333767
CIELab	88.37, -39.51, 43.98
CIELCh	88, 59.124, 131.933
Yxy	72.8401, 0.3292, 0.4564
Android (android.graphics.Color)	4289523847 (0xFFACF087)
YUV	207.6980, -35.8401, -31.3071
Hunter-Lab	85.3464, -39.4565, 35.9757

# Details

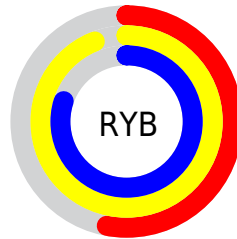
The XYZ color **52.5465, 72.8401, 34.2117** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **49.0240, 36.3179, 86.8683**, and the grayscale version is **59.9881, 63.1122, 68.7291**.

A 20% lighter version of the original color is **77.3674, 91.8957, 62.3752**, and **26.0379, 38.6874, 14.2787** is the 20% darker color. If you saturate the color by 10%, you get **47.8298, 70.5845, 26.1429**, and if you desaturate by 10%, it is **58.0468, 75.4601, 44.3083**.

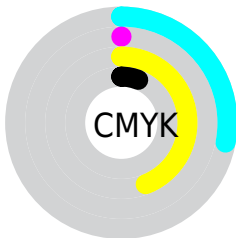
# Distribution



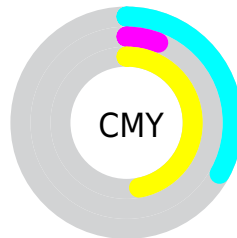
- Red (67%)
- Green (94%)
- Blue (53%)



- Red (53%)
- Yellow (94%)
- Blue (80%)



- Cyan (28%)
- Magenta (0%)
- Yellow (44%)
- Black (6%)




- Cyan (33%)
- Magenta (6%)
- Yellow (47%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.5465, 72.8401, 34.2117 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 52.5465, 72.8401, 34.2117 by changing the saturation by 10% instead.




 52.5465, 72.8401,  
34.2117


 52.5465, 72.8401,  
34.2117


386.8322,  
470.4604, 335.8729


 37.6669, 53.8452,  
22.7776


 93.1062, 123.2502,  
67.4004

 25.9003, 38.4779,  
14.2256


 119.5170,  
155.4342, 89.9921

 16.8814, 26.3538,  
8.1372


 150.5022,  
192.7833, 117.1400

 10.2447, 17.0885,  
4.0938

186.4272,  
235.6821, 149.2628

 5.6250, 10.2976,  
1.6770

227.6573,  
284.5147, 186.7790

 2.6569, 5.5967,  
0.3449


274.5580,

 0.9750, 2.6015,


339.6658, 230.1070


0.0000


327.4945,  
401.5195, 279.6655


 0.0000, 0.9274,  
0.0000


 0.0000, 0.0000,  
0.0000


 52.5465, 72.8401,  
34.2117


 52.5465, 72.8401,  
34.2117

 47.8298, 70.5845,  
26.1429


 58.0468, 75.4601,  
44.3083


 43.8516, 68.6664,  
19.9599


 64.3619, 78.4512,  
56.5522

 40.5702, 67.0699,  
15.5103


 71.5275, 81.8315,  
71.0595


 37.9364, 65.7734,  
12.6156

 79.5756, 85.6153,  
87.9363

 35.8927, 64.7522,  
11.0586

 88.5357, 89.8155,  
107.2775

 34.8686, 64.2342,  
10.5607

 90.4516, 90.8032,  
107.3672

# Harmonies

## Analogous

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



63.7402, 72.8401, 24.7782



52.5465, 72.8401, 34.2117



46.3895, 72.8401, 57.4535

# Triad

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



52.5465, 72.8401, 34.2117



61.1076, 72.8401, 179.2607



99.5194, 72.8401, 64.2194

# Complementary

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



52.5465, 72.8401, 34.2117



49.0240, 36.3179, 86.8683

# Split Complementary

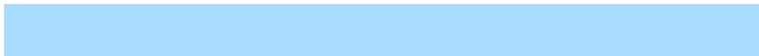
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



98.5597, 72.8401, 106.1078



52.5465, 72.8401, 34.2117



75.0312, 72.8401, 183.0148

# Square

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



52.5465, 72.8401, 34.2117



50.8469, 72.8401, 143.8607



89.1222, 72.8401, 152.8375



91.5883, 72.8401, 37.7004



# Rectangle

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



52.5465, 72.8401, 34.2117



45.3783, 72.8401, 81.9773



89.1222, 72.8401, 152.8375



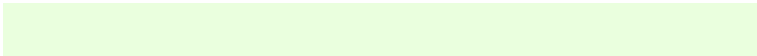
100.2527, 72.8401, 76.7021

# Sweetspot

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



52.5483, 72.8432, 34.2133



82.7024, 94.1989, 82.8252



61.3147, 62.2843, 31.7132



17.2902, 19.9686, 16.8806



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

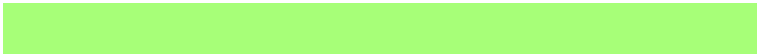


# Same Dimension

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



52.5483, 72.8432, 34.2133



55.1769, 81.1392, 30.4749



46.5788, 69.6444, 39.4228



16.0913, 17.9272, 16.7619



19.2171, 35.2283, 5.7869



1.7028, 2.9843, 0.4863



# Inverse Universe

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



49.0240, 36.3179, 86.8683



50.5869, 33.9371, 98.4920



58.3294, 41.3462, 76.8613



15.8824, 15.7366, 19.9220



16.2051, 7.3594, 45.6943

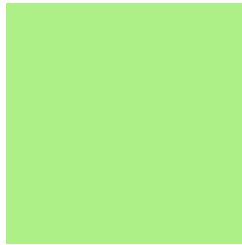


1.4555, 0.6676, 3.8064



# Previews

## White Background



This preview shows how the XYZ color 52.5465, 72.8401, 34.2117 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

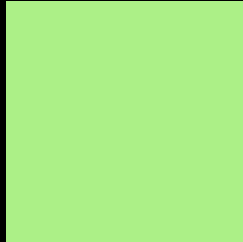
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 52.5465, 72.8401, 34.2117 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 52.5465, 72.8401, 34.2117**

## **Background**



This preview shows how black text looks on a background with the XYZ color 52.5465, 72.8401, 34.2117.



This preview shows how white text looks on a background with the XYZ color 52.5465, 72.8401,



# 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

52.5465, 72.8401, 34.2117

### Protanopia

66.3707, 72.1487, 30.8500

### Deuteranopia

72.2616, 72.1432, 46.6756



## Tritanopia

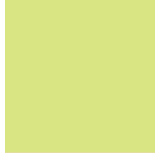
64.9368, 72.3496, 96.9285

# Trichromacy



## Original Color

52.5465, 72.8401, 34.2117



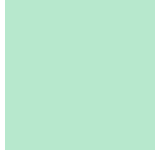
## Protanomaly

60.4554, 71.8772, 32.1601



## Deuteranomaly

63.3554, 71.1495, 41.4044



## Tritanomaly

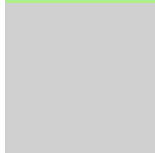
59.4045, 72.1883, 68.5604

# Monochromacy



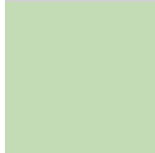
## Original Color

52.5465, 72.8401, 34.2117



## Achromatopsia

59.9535, 63.0757, 68.6895



## Achromatomaly

56.4394, 66.1247, 53.5047

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.5465, 72.8401, 34.2117 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(172, 240, 135)` looks like.

```
.text, #text, p{  
    color:rgb(172, 240, 135)  
}
```

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(172, 240, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 240, 135) }
```

## Border

The CSS property to change the border of an element to XYZ 52.5465, 72.8401, 34.2117 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(172, 240, 135) }
```



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

```
.border{ border-color:rgb(172, 240, 135) }
```

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

Here you see how a box with a 4 pixel rgb(172, 240, 135) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 240, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 240, 135);  
box-shadow:4px 4px 4px 4px rgb(172, 240,  
135) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.5465, 72.8401, 34.2117 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 240, 135) }
```

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

```
.background{ background-color: rgb(172,  
240, 135) }
```

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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