

# Converting Colors

XYZ(37.7043, 51.8268, 33.9790)

Have a look what the booklet for  
XYZ(37.7043, 51.8268, 33.9790)  
contains.

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# Color

**XYZ(37.7520, 52.0121,  
34.0362)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8ACF8F
RGB	138, 207, 143
RGB Percent	54%, 81%, 56%
CMY	0.4588, 0.1882, 0.4392
CMYK	0.33, 0.00, 0.31, 0.19
HSL	124°, 42%, 68%
HSV	124°, 33%, 81%
XYZ	37.7520, 52.0121, 34.0362
YIQ	179.0730, -20.5800, -34.5320

# Conversions

## Conversions Part 2

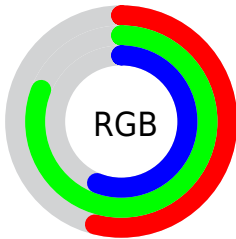
Format	Color
<a href="#">RYB</a>	<a href="#">138, 202, 207</a>
Decimal	<a href="#">9097103</a>
CIELab	<a href="#">77.29, -34.56, 25.11</a>
CIELCh	<a href="#">77, 42.721, 144.006</a>
Yxy	<a href="#">52.0121, 0.3049, 0.4201</a>
Android (android.graphics.Color)	<a href="#">4287287183 (0xFF8ACF8F)</a>
YUV	<a href="#">179.0730, -17.7840, -36.0210</a>
Hunter-Lab	<a href="#">72.1194, -32.7704, 22.5021</a>

# Details

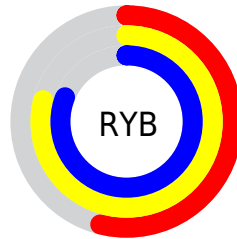
The XYZ color **37.7520, 52.0121, 34.0362** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **45.4830, 35.7077, 60.3743**, and the grayscale version is **42.9875, 45.2262, 49.2513**.

A 20% lighter version of the original color is **67.8304, 86.8887, 66.0195**, and **16.9063, 25.1605, 14.0906** is the 20% darker color. If you saturate the color by 10%, you get **33.3160, 49.8807, 26.8751**, and if you desaturate by 10%, it is **43.0924, 54.5840, 42.5413**.

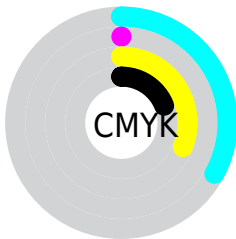
# Distribution



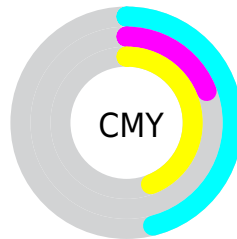
- Red (54%)
- Green (81%)
- Blue (56%)



- Red (54%)
- Yellow (79%)
- Blue (81%)



- Cyan (33%)
- Magenta (0%)
- Yellow (31%)
- Black (19%)




- Cyan (46%)
- Magenta (19%)
- Yellow (44%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 37.7520, 52.0121, 34.0362 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 37.7520, 52.0121, 34.0362 by changing the saturation by 10% instead.





 37.7520, 52.0121,  
34.0362


 37.7520, 52.0121,  
34.0362


327.8542,  
394.4833, 335.0675


 25.9666, 37.0147,  
22.6438


 71.0342, 93.1491,  
67.1245

 16.9312, 25.2189,  
14.1279


 93.2617, 120.0575,  
89.6575

 10.2805, 16.2402,  
8.0699

 119.7007,  
151.7050, 116.7411

 5.6490, 9.6943,  
4.0513

150.7164,  
188.4760, 148.7939

 2.6715, 5.1967,  
1.6535

186.6743,  
230.7550, 186.2344

 0.9825, 2.3632,  
0.3286

227.9396,

 0.0000, 0.8068,

278.9263, 229.4811

0.0000

274.8778,  
333.3742, 278.9527

■ 0.0000, 0.0000,  
0.0000

■ 37.7520, 52.0121,  
34.0362

■ 37.7520, 52.0121,  
34.0362

■ 33.3160, 49.8807,  
26.8751

■ 43.0924, 54.5840,  
42.5413

■ 29.7305, 48.1589,  
20.9861

■ 49.3792, 57.6121,  
52.4506

■ 26.9421, 46.8224,  
16.2958

■ 56.6565, 61.1195,  
63.8247

■ 24.8897, 45.8413,  
12.7218

■ 64.9648, 65.1258,  
76.7198

■ 23.5032, 45.1816,  
10.1716

■ 74.3420, 69.6493,  
91.1891

■ 22.6991, 44.8023,  
8.5375

■ 81.6038, 73.1077,  
104.4179

■ 22.4001, 44.6622,  
7.8921

# Harmonies

## Analogous

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



43.2987, 52.0121, 24.6027



37.7520, 52.0121, 34.0362



35.3629, 52.0121, 52.0496

# Triad

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



37.7520, 52.0121, 34.0362



47.8087, 52.0121, 114.4105



65.2719, 52.0121, 40.1860

# Complementary

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



37.7520, 52.0121, 34.0362



45.4830, 35.7077, 60.3743

# 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.



66.8206, 52.0121, 61.4765



37.7520, 52.0121, 34.0362



56.1273, 52.0121, 108.6659

# Square

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



37.7520, 52.0121, 34.0362



40.7419, 52.0121, 101.5507



63.3116, 52.0121, 87.5081



59.2864, 52.0121, 27.4059



# Rectangle

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



37.7520, 52.0121, 34.0362



35.6695, 52.0121, 68.2710



63.3116, 52.0121, 87.5081



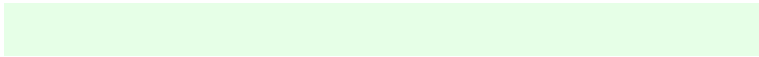
66.3543, 52.0121, 46.3978

# Sweetspot

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



37.7533, 52.0143, 34.0374



82.7059, 94.0496, 89.6536



51.3680, 59.0757, 32.7406



17.3597, 19.9653, 18.6528



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

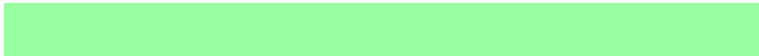


# Same Dimension

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



37.7533, 52.0143, 34.0374



55.2764, 80.8441, 46.1290



40.7413, 53.2095, 49.7719



11.6906, 13.2200, 12.7270



14.1257, 28.1432, 5.0419



0.8022, 1.5786, 0.3473



# Inverse Universe

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



45.4830, 35.7077, 60.3743



69.5137, 50.7955, 94.6289



41.8807, 34.2668, 41.4050



12.2723, 11.9937, 14.7096



22.2219, 10.7616, 32.4041



1.2538, 0.6062, 1.8714



# Previews

## White Background



This preview shows how the XYZ color 37.7520, 52.0121, 34.0362 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 37.7520, 52.0121, 34.0362 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

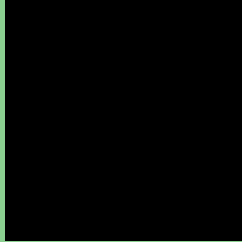
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 37.7520, 52.0121, 34.0362**

## **Background**



This preview shows how black text looks on a background with the XYZ color 37.7520, 52.0121, 34.0362.



This preview shows how white text looks on a background with the XYZ color 37.7520, 52.0121,



# 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

37.7520, 52.0121, 34.0362

### Protanopia

48.0342, 51.5836, 30.7175

### Deuteranopia

52.1974, 51.1236, 35.1337



## Tritanopia

45.0942, 51.8225, 71.2444

# Trichromacy



## Original Color

37.7520, 52.0121, 34.0362

## Protanomaly

43.4562, 51.1677, 32.0121

## Deuteranomaly

45.3050, 50.4133, 34.5370

## Tritanomaly

41.8178, 51.5151, 55.3163

# Monochromacy



## Original Color

37.7520, 52.0121, 34.0362

## Achromatopsia

42.8472, 45.0786, 49.0906

## Achromatomaly

40.3904, 47.0409, 43.0274

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 37.7520, 52.0121, 34.0362 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(138, 207, 143)` looks like.

```
.text, #text, p{  
    color:rgb(138, 207, 143)  
}
```

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(138, 207, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 207, 143) }
```

## Border

The CSS property to change the border of an element to XYZ 37.7520, 52.0121, 34.0362 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(138, 207, 143) }
```



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

```
.border{ border-color:rgb(138, 207, 143) }
```

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

Here you see how a box with a 4 pixel rgb(138, 207, 143) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 207, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 207, 143);  
box-shadow:4px 4px 4px 4px rgb(138, 207,  
143) }
```

# Background

The CSS property to change the background color of an element to XYZ 37.7520, 52.0121, 34.0362 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 207, 143) }
```

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

```
.background{ background-color: rgb(138,  
207, 143) }
```

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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