

Converting Colors

XYZ(52.0376, 69.9149, 37.9106)

Have a look what the booklet for
XYZ(52.0376, 69.9149, 37.9106)
contains.

XYZ(52.0667, 69.9196, 37.9458)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(52.0667, 69.9196,
37.9458)**

Conversions

Conversions Part 1

Format	Color
Hex	AEEA92
RGB	174, 234, 146
RGB Percent	68%, 92%, 57%
CMY	0.3176, 0.0823, 0.4274
CMYK	0.26, 0.00, 0.38, 0.08
HSL	101°, 68%, 75%
HSV	101°, 38%, 92%
XYZ	52.0667, 69.9196, 37.9458
YIQ	206.0280, -7.5120, -40.0880

Conversions

Conversions Part 2

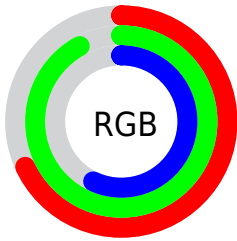
Format	Color
RYB	146, 234, 206
Decimal	11463314
CIELab	86.96, -34.67, 36.77
CIELCh	87, 50.535, 133.316
Yxy	69.9196, 0.3256, 0.4372
Android (android.graphics.Color)	4289653394 (0xFFAEEA92)
YUV	206.0280, -29.5938, -28.0886
Hunter-Lab	83.6179, -35.1841, 31.6268

Details

The XYZ color **52.0667, 69.9196, 37.9458** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **50.5868, 39.6222, 82.8273**, and the grayscale version is **58.8727, 61.9386, 67.4512**.

A 20% lighter version of the original color is **79.2576, 92.7260, 68.9789**, and **25.5485, 36.5709, 16.3020** is the 20% darker color. If you saturate the color by 10%, you get **47.0839, 67.5422, 29.1640**, and if you desaturate by 10%, it is **57.8479, 72.6697, 48.7126**.

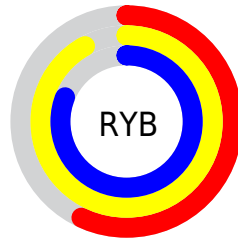
Distribution



Red (68%)

Green (92%)

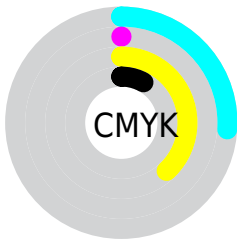
Blue (57%)



Red (57%)

Yellow (92%)

Blue (81%)

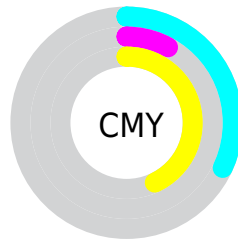


Cyan (26%)

Magenta (0%)

Yellow (38%)

Black (8%)



Cyan (32%)


Magenta (8%)


Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.0667, 69.9196, 37.9458 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 52.0667, 69.9196, 37.9458 by changing the saturation by 10% instead.


 52.0667, 69.9196,
37.9458

 52.0667, 69.9196,
37.9458


385.0138,
460.2677, 352.6786

 37.2827, 51.4610,
25.6391


 92.4032, 119.0941,
73.2276

 25.6011, 36.5756,
16.3305

 118.6865,
150.5788, 97.0397

 16.6566, 24.8791,
9.6015


149.5336,
187.1742, 125.5241

 10.0837, 15.9870,
5.0334

185.3099,
229.2649, 159.0993

 5.5172, 9.5149,
2.2078

226.3807,
277.2352, 198.1838

 2.5916, 5.0786,
0.6789

273.1114,

 0.9417, 2.2934,

331.4695, 243.1962

0.0000

325.8673,
392.3522, 294.5549

0.0000, 0.7702,
0.0000

0.0000, 0.0000,
0.0000

52.0667, 69.9196,
37.9458

52.0667, 69.9196,
37.9458

47.0839, 67.5422,
29.1640

57.8479, 72.6697,
48.7126

42.8567, 65.5119,
22.2413

64.4571, 75.7992,
61.5708

39.3458, 63.8133,
17.0448

71.9289, 79.3256,
76.6245

36.5058, 62.4265,
13.4218

80.2942, 83.2628,
93.9698

■ 34.2850, 61.3286,
11.1930

■ 88.2663, 87.0975,
106.7671

■ 32.6187, 60.4917,
10.1177

■ 88.7142, 87.3285,
106.7881

■ 32.2830, 60.3222,
9.9419

Harmonies

Analogous

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



61.3634, 69.9196, 28.7686



52.0667, 69.9196, 37.9458



46.9951, 69.9196, 58.9481

Triad

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



52.0667, 69.9196, 37.9458



60.1494, 69.9196, 156.9416



91.0876, 69.9196, 62.1154

Complementary

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



52.0667, 69.9196, 37.9458



50.5868, 39.6222, 82.8273

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.



90.6622, 69.9196, 96.3642



52.0667, 69.9196, 37.9458



71.8239, 69.9196, 158.5489

Square

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



52.0667, 69.9196, 37.9458



51.2690, 69.9196, 130.0142



83.2797, 69.9196, 133.9128



84.3811, 69.9196, 39.6698

Rectangle

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



52.0667, 69.9196, 37.9458



46.2705, 69.9196, 79.9540



83.2797, 69.9196, 133.9128



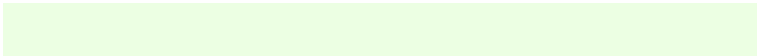
91.7957, 69.9196, 72.4310

Sweetspot

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



52.0685, 69.9226, 37.9473



84.1685, 94.8746, 86.5133



60.8745, 63.0740, 36.1613



17.7481, 20.1809, 17.9772



0.0000, 0.0000, 0.0000



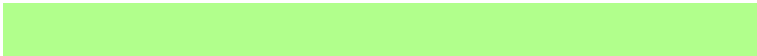
20.3446, 21.4041, 23.3091

Same Dimension

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



52.0685, 69.9226, 37.9473



58.5884, 82.7395, 37.7901



47.6827, 67.5213, 44.0855



15.3194, 17.0947, 16.0109



18.2559, 33.9557, 5.5919



1.5301, 2.7162, 0.4436

Inverse Universe

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



50.5868, 39.6222, 82.8273



56.5255, 41.0307, 99.5482



57.0433, 43.1841, 72.5802



15.2218, 15.0596, 19.0268



16.5783, 7.5824, 44.3327



1.4009, 0.6465, 3.4858

Previews

White Background



This preview shows how the XYZ color 52.0667, 69.9196, 37.9458 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 52.0667, 69.9196, 37.9458 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

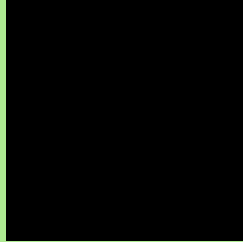
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 52.0667, 69.9196, 37.9458

Background



This preview shows how black text looks on a background with the XYZ color 52.0667, 69.9196, 37.9458.



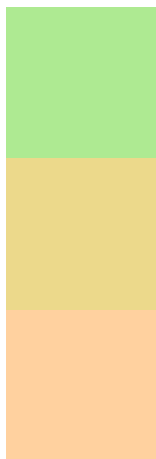
This preview shows how white text looks on a background with the XYZ color 52.0667, 69.9196,

37.9458.

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

52.0667, 69.9196, 37.9458

Protanopia

64.0651, 69.3227, 34.4301

Deuteranopia

70.2985, 69.3641, 42.4844



Tritanopia

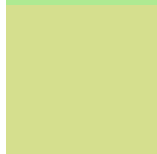
63.1021, 69.8854, 92.6015

Trichromacy



Original Color

52.0667, 69.9196, 37.9458



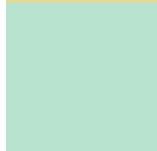
Protanomaly

58.7107, 68.8745, 35.7909



Deuteranomaly

62.2682, 68.6447, 40.5397



Tritanomaly

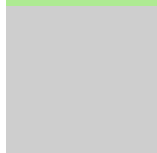
58.3768, 69.5847, 68.7469

Monochromacy



Original Color

52.0667, 69.9196, 37.9458



Achromatopsia

58.6655, 61.7207, 67.2138



Achromatomaly

55.4557, 64.0418, 54.7859

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.0667, 69.9196, 37.9458 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(174, 234, 146)` looks like.

```
.text, #text, p{  
    color:rgb(174, 234, 146)  
}
```

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(174, 234, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 234, 146) }
```

Border

The CSS property to change the border of an element to XYZ 52.0667, 69.9196, 37.9458 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(174, 234, 146) }
```


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

```
.border{ border-color:rgb(174, 234, 146) }
```

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

Here you see how a box with a 4 pixel rgb(174, 234, 146) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 234, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 234, 146);  
box-shadow:4px 4px 4px 4px rgb(174, 234,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 52.0667, 69.9196, 37.9458 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 234, 146) }
```

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

```
.background{ background-color: rgb(174,  
234, 146) }
```

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