

Converting Colors

XYZ(52.4373, 67.6179, 37.4831)

Have a look what the booklet for
XYZ(52.4373, 67.6179, 37.4831)
contains.

XYZ(52.4601, 67.6294, 37.4830)	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(52.4601, 67.6294,
37.4830)**

Conversions

Conversions Part 1

Format	Color
Hex	B7E492
RGB	183, 228, 146
RGB Percent	72%, 89%, 57%
CMY	0.2824, 0.1059, 0.4274
CMYK	0.20, 0.00, 0.36, 0.11
HSL	93°, 60%, 73%
HSV	93°, 36%, 89%
XYZ	52.4601, 67.6294, 37.4830
YIQ	205.1970, -0.4980, -35.0420

Conversions

Conversions Part 2

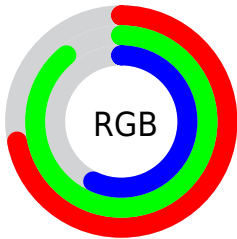
Format	Color
RYB	146, 228, 191
Decimal	12051602
CIELab	85.82, -28.74, 35.38
CIElCh	86, 45.586, 129.087
Yxy	67.6294, 0.3329, 0.4292
Android (android.graphics.Color)	4290241682 (0xFFB7E492)
YUV	205.1970, -29.1841, -19.4668
Hunter-Lab	82.2371, -30.0475, 30.5421

Details

The XYZ color **52.4601, 67.6294, 37.4830** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **45.7713, 37.2376, 78.1777**, and the grayscale version is **58.3354, 61.3734, 66.8356**.

A 20% lighter version of the original color is **82.2378, 94.2623, 69.1184**, and **25.8262, 34.9803, 15.9804** is the 20% darker color. If you saturate the color by 10%, you get **48.0156, 65.5252, 28.9222**, and if you desaturate by 10%, it is **57.5264, 70.0175, 47.9220**.

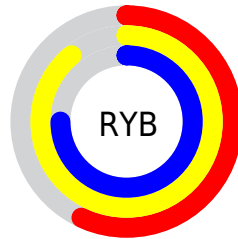
Distribution



Red (72%)

Green (89%)

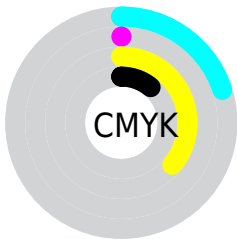
Blue (57%)



Red (57%)

Yellow (89%)

Blue (75%)

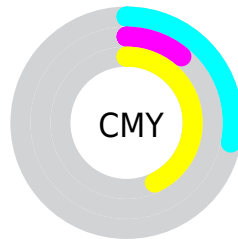


Cyan (20%)

Magenta (0%)

Yellow (36%)

Black (11%)



Cyan (28%)


Magenta (11%)


Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 52.4601, 67.6294, 37.4830 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 52.4601, 67.6294, 37.4830 by changing the saturation by 10% instead.


 52.4601, 67.6294,
37.4830

 52.4601, 67.6294,
37.4830


386.5051,
452.1818, 350.6284

 37.5977, 49.5963,
25.2830


 92.9797, 115.8218,
72.5096

 25.8464, 35.0927,
16.0671


 119.3675,
146.7499, 96.1733

 16.8408, 23.7343,
9.4168


150.3279,
182.7451, 124.4953

 10.2157, 15.1367,
4.9135

186.2262,
224.1919, 157.8941

 5.6056, 8.9153,
2.1387

227.4277,
271.4745, 196.7882

 2.6451, 4.6860,
0.6387

274.2977,

 0.9690, 2.0642,

324.9775, 241.5963

0.0000

327.2018,
385.0851, 292.7369

0.0000, 0.6444,
0.0000

0.0000, 0.0000,
0.0000

52.4601, 67.6294,
37.4830

52.4601, 67.6294,
37.4830

48.0156, 65.5252,
28.9222

57.5264, 70.0175,
47.9220

44.1599, 63.6839,
22.1235

63.2354, 72.6917,
60.3372

40.8640, 62.0956,
16.9648

69.6132, 75.6655,
74.8251

38.0940, 60.7457,
13.3067

76.6827, 78.9488,
91.4746

■ 35.8114, 59.6180,
10.9865

■ 83.6493, 82.2243,
106.0698

■ 33.9698, 58.6929,
9.8026

■ 87.0348, 83.9696,
106.2283

■ 33.3235, 58.3656,
9.5094

Harmonies

Analogous

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



61.1681, 67.6294, 30.2759



52.4601, 67.6294, 37.4830



47.3262, 67.6294, 55.0000

Triad

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



52.4601, 67.6294, 37.4830



57.3918, 67.6294, 141.2697



86.1559, 67.6294, 64.9441

Complementary

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



52.4601, 67.6294, 37.4830



45.7713, 37.2376, 78.1777

Split Complementary

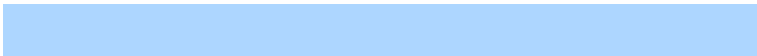
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.8639, 67.6294, 96.0698



52.4601, 67.6294, 37.4830



67.4951, 67.6294, 146.0458

Square

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



52.4601, 67.6294, 37.4830



49.9525, 67.6294, 116.0486



77.7534, 67.6294, 127.7392



81.1137, 67.6294, 43.0678

Rectangle

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



52.4601, 67.6294, 37.4830



46.2605, 67.6294, 72.7262



77.7534, 67.6294, 127.7392



86.4587, 67.6294, 74.5552

Sweetspot

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



52.4618, 67.6323, 37.4845



85.4196, 95.5196, 86.5719



55.5416, 55.2834, 34.9386



18.0453, 20.3341, 17.9911



0.0000, 0.0000, 0.0000



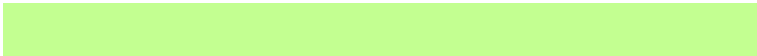
20.3446, 21.4041, 23.3091

Same Dimension

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



52.4618, 67.6323, 37.4845



63.3575, 85.1535, 40.0268



45.0031, 63.7624, 38.2588



14.8038, 16.4059, 15.2909



19.3737, 33.7690, 5.4970



1.5374, 2.5499, 0.4112

Inverse Universe

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



45.7713, 37.2376, 78.1777



53.5518, 40.6324, 99.6281



55.9035, 42.5044, 76.6864



14.3352, 14.2750, 18.1441



13.1194, 5.8292, 42.8168



1.0762, 0.4858, 3.1690

Previews

White Background



This preview shows how the XYZ color 52.4601, 67.6294, 37.4830 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 52.4601, 67.6294, 37.4830 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 52.4601, 67.6294, 37.4830

Background



This preview shows how black text looks on a background with the XYZ color 52.4601, 67.6294, 37.4830.



This preview shows how white text looks on a background with the XYZ color 52.4601, 67.6294,

37.4830.

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

52.4601, 67.6294, 37.4830

Protanopia

62.0589, 67.1424, 34.4999

Deuteranopia

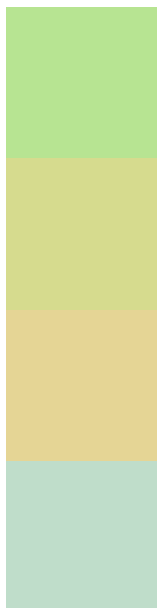
68.6572, 67.1570, 38.6221



Tritanopia

62.4291, 67.3020, 87.5421

Trichromacy



Original Color

52.4601, 67.6294, 37.4830

Protanomaly

57.9456, 66.9122, 35.4525

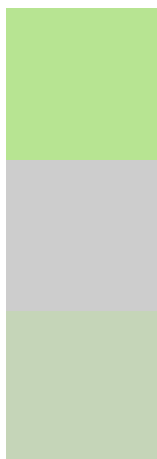
Deuteranomaly

61.5322, 66.4164, 38.0103

Tritanomaly

58.0030, 67.0535, 65.7627

Monochromacy



Original Color

52.4601, 67.6294, 37.4830

Achromatopsia

58.0276, 61.0496, 66.4830

Achromatomaly

55.4719, 62.9195, 54.5684

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.4601, 67.6294, 37.4830 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(183, 228, 146)` looks like.

```
.text, #text, p{  
    color:rgb(183, 228, 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(183, 228, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 228, 146) }
```

Border

The CSS property to change the border of an element to XYZ 52.4601, 67.6294, 37.4830 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(183, 228, 146) }
```


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

```
.border{ border-color:rgb(183, 228, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 228, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 228, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 228, 146);  
box-shadow:4px 4px 4px 4px rgb(183, 228,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 52.4601, 67.6294, 37.4830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 228, 146) }
```

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

```
.background{ background-color: rgb(183,  
228, 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](#).

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