

Converting Colors

XYZ(49.6816, 60.5677, 35.2330)

Have a look what the booklet for
XYZ(49.6816, 60.5677, 35.2330)
contains.

XYZ(49.7435, 60.7677, 35.0942)	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(49.7435, 60.7677,
35.0942)**

Conversions

Conversions Part 1

Format	Color
Hex	BCD68F
RGB	188, 214, 143
RGB Percent	74%, 84%, 56%
CMY	0.2627, 0.1608, 0.4392
CMYK	0.12, 0.00, 0.33, 0.16
HSL	82°, 46%, 70%
HSV	82°, 33%, 84%
XYZ	49.7435, 60.7677, 35.0942
YIQ	198.1320, 7.2950, -27.5930

Conversions

Conversions Part 2

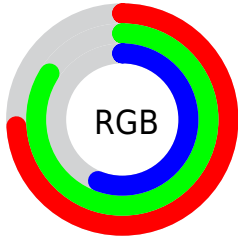
Format	Color
RYB	143, 214, 169
Decimal	12375695
CIELab	82.25, -20.57, 32.28
CIELCh	82, 38.275, 122.512
Yxy	60.7677, 0.3416, 0.4173
Android (android.graphics.Color)	4290565775 (0xFFBCD68F)
YUV	198.1320, -27.1801, -8.8858
Hunter-Lab	77.9536, -22.5151, 27.8756

Details

The XYZ color **49.7435, 60.7677, 35.0942** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **38.3248, 32.9367, 67.9593**, and the grayscale version is **53.9151, 56.7229, 61.7712**.

A 20% lighter version of the original color is **83.4942, 94.9637, 66.7525**, and **24.1614, 30.6373, 14.7654** is the 20% darker color. If you saturate the color by 10%, you get **46.3962, 59.2138, 27.2673**, and if you desaturate by 10%, it is **53.5080, 62.5047, 44.5574**.

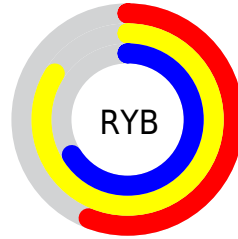
Distribution



Red (74%)

Green (84%)

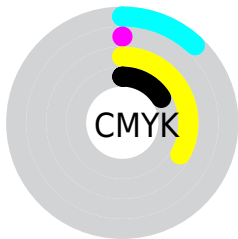
Blue (56%)



Red (56%)

Yellow (84%)

Blue (66%)

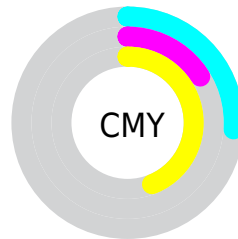


Cyan (12%)

Magenta (0%)

Yellow (33%)

Black (16%)



Cyan (26%)

Magenta (16%)


Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.7435, 60.7677, 35.0942 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 49.7435, 60.7677, 35.0942 by changing the saturation by 10% instead.


 49.7435, 60.7677,
35.0942


 49.7435, 60.7677,
35.0942


376.1306,
427.4217, 339.9008

 35.4266, 44.0377,
23.4513


 88.9888, 105.9425,
68.7849

 24.1597, 30.7002,
14.7187

 114.6479,
135.1561, 91.6698

 15.5775, 20.3706,
8.4778


144.8185,
169.2998, 119.1391

 9.3146, 12.6647,
4.3100

179.8659,
208.7578, 151.6114

 5.0057, 7.1981,
1.7969

220.1554,
253.9146, 189.5051

 2.2854, 3.5863,
0.4259

266.0525,

 0.7872, 1.4449,

305.1546, 233.2389

0.0000

317.9224,
362.8622, 283.2313

0.0000, 0.2495,
0.0000

0.0000, 0.0000,
0.0000

49.7435, 60.7677,
35.0942

49.7435, 60.7677,
35.0942

46.3962, 59.2138,
27.2673

53.5080, 62.5047,
44.5574

43.4424, 57.8271,
20.9798

57.7031, 64.4242,
55.7386

40.8623, 56.6017,
16.1307

62.3468, 66.5357,
68.7188

38.6325, 55.5279,
12.6053

67.4550, 68.8456,
83.5727

■ 36.7261, 54.5948,
10.2712

■ 73.0425, 71.3600,
100.3706

■ 35.1110, 53.7894,
8.9689

■ 76.3681, 72.9827,
104.6698

■ 34.1404, 53.2987,
8.4883

■ 79.0139, 74.3466,
104.7936

■ 81.7751, 75.7701,
104.9228

■ 83.3379, 76.5758,
104.9960

Harmonies

Analogous

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



57.0744, 60.7677, 30.7132



49.7435, 60.7677, 35.0942



44.9501, 60.7677, 47.5489

Triad

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



49.7435, 60.7677, 35.0942



50.8272, 60.7677, 114.4574



74.8575, 60.7677, 64.2198

Complementary

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



49.7435, 60.7677, 35.0942



38.3248, 32.9367, 67.9593

Split Complementary

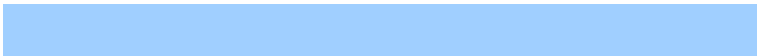
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



72.7931, 60.7677, 89.1000



49.7435, 60.7677, 35.0942



58.4468, 60.7677, 121.8451

Square

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



49.7435, 60.7677, 35.0942



45.5332, 60.7677, 93.3158



66.5899, 60.7677, 111.6487



71.9954, 60.7677, 44.8699

Rectangle

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



49.7435, 60.7677, 35.0942



43.5814, 60.7677, 60.4912



66.5899, 60.7677, 111.6487



74.7167, 60.7677, 72.1844

Sweetspot

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



49.7450, 60.7704, 35.0955



87.8599, 96.7366, 88.5366



46.6667, 44.2313, 32.0654



18.6013, 20.6125, 18.3859



0.0000, 0.0000, 0.0000



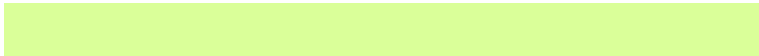
20.3446, 21.4041, 23.3091

Same Dimension

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



49.7450, 60.7704, 35.0955



70.3163, 88.6702, 43.5460



42.2664, 56.9150, 34.7455



13.0113, 14.2821, 13.2316



20.7525, 32.2746, 5.1359



1.3413, 1.9928, 0.3140

Inverse Universe

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



38.3248, 32.9367, 67.9593



50.7659, 40.9958, 99.8451



46.6864, 37.2473, 68.3506



12.1678, 12.2279, 15.6564



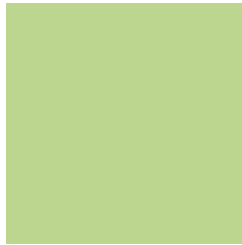
9.3592, 3.9774, 38.7276



0.6541, 0.2861, 2.3401

Previews

White Background



This preview shows how the XYZ color 49.7435, 60.7677, 35.0942 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 49.7435, 60.7677, 35.0942 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 49.7435, 60.7677, 35.0942

Background



This preview shows how black text looks on a background with the XYZ color 49.7435, 60.7677, 35.0942.



This preview shows how white text looks on a background with the XYZ color 49.7435, 60.7677,

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

49.7435, 60.7677, 35.0942

Protanopia

56.0719, 60.4220, 33.1334

Deuteranopia

61.6243, 60.4637, 36.0265



Tritanopia

58.0643, 60.4952, 76.3266

Trichromacy



Original Color

49.7435, 60.7677, 35.0942

Protanomaly

53.5840, 60.5605, 33.6761

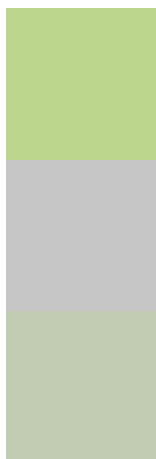
Deuteranomaly

56.6684, 60.3168, 35.8497

Tritanomaly

54.5760, 60.5196, 58.6742

Monochromacy



Original Color

49.7435, 60.7677, 35.0942

Achromatopsia

53.6758, 56.4712, 61.4971

Achromatomaly

51.8769, 57.8694, 50.5552

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.7435, 60.7677, 35.0942 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(188, 214, 143)` looks like.

```
.text, #text, p{  
    color:rgb(188, 214, 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(188, 214, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 214, 143) }
```

Border

The CSS property to change the border of an element to XYZ 49.7435, 60.7677, 35.0942 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(188, 214, 143) }
```


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

```
.border{ border-color:rgb(188, 214, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 214, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 214, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 214, 143);  
box-shadow:4px 4px 4px 4px rgb(188, 214,  
143) }
```

Background

The CSS property to change the background color of an element to XYZ 49.7435, 60.7677, 35.0942 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 214, 143) }
```

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

```
.background{ background-color: rgb(188,  
214, 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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