

Converting Colors

XYZ(47.6741, 59.7233, 34.2212)

Have a look what the booklet for
XYZ(47.6741, 59.7233, 34.2212)
contains.

XYZ(47.6767, 59.7195, 34.2135)	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(47.6767, 59.7195,
34.2135)**

Conversions

Conversions Part 1

Format	Color
Hex	B4D68D
RGB	180, 214, 141
RGB Percent	71%, 84%, 55%
CMY	0.2941, 0.1608, 0.4471
CMYK	0.16, 0.00, 0.34, 0.16
HSL	88°, 47%, 70%
HSV	88°, 34%, 84%
XYZ	47.6767, 59.7195, 34.2135
YIQ	195.5120, 3.1690, -29.9110

Conversions

Conversions Part 2

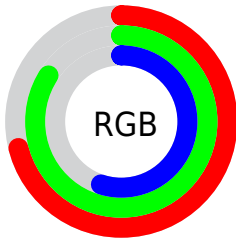
Format	Color
RYB	141, 214, 175
Decimal	11851405
CIELab	81.69, -23.78, 32.45
CIElCh	82, 40.234, 126.234
Yxy	59.7195, 0.3367, 0.4217
Android (android.graphics.Color)	4290041485 (0xFFB4D68D)
YUV	195.5120, -26.8744, -13.6040
Hunter-Lab	77.2784, -25.1121, 27.8454

Details

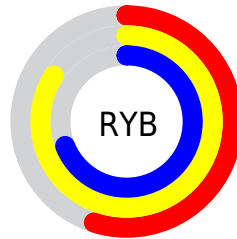
The XYZ color **47.6767, 59.7195, 34.2135** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **39.3441, 33.0204, 67.9215**, and the grayscale version is **52.3329, 55.0582, 59.9584**.

A 20% lighter version of the original color is **80.5354, 93.4647, 65.4256**, and **22.8478, 29.9701, 14.2535** is the 20% darker color. If you saturate the color by 10%, you get **43.9984, 57.9917, 26.5174**, and if you desaturate by 10%, it is **51.8327, 61.6617, 43.5404**.

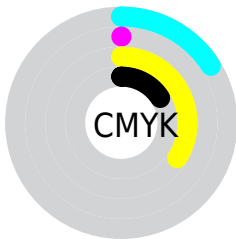
Distribution



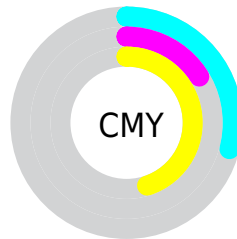
- Red (71%)
- Green (84%)
- Blue (55%)



- Red (55%)
- Yellow (84%)
- Blue (69%)



- Cyan (16%)
- Magenta (0%)
- Yellow (34%)
- Black (16%)



- Cyan (29%)
- Magenta (16%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.6767, 59.7195, 34.2135 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 47.6767, 59.7195, 34.2135 by changing the saturation by 10% instead.

■ 47.6767, 59.7195,
34.2135

■ 47.6767, 59.7195,
34.2135

368.1132,
423.5631, 335.8812

■ 33.7811, 43.1926,
22.7790

■ 85.9355, 104.4227,
67.4032

■ 22.8876, 30.0362,
14.2266

■ 111.0293,
133.3677, 89.9955

■ 14.6308, 19.8661,
8.1379

■ 140.5867,
167.2209, 117.1441

■ 8.6453, 12.2978,
4.0943

174.9729,
206.3666, 149.2676

■ 4.5658, 6.9468,
1.6772

214.5533,
251.1893, 186.7845

■ 2.0269, 3.4288,
0.3450

259.6932,

■ 0.6490, 1.3595,

302.0734, 230.1134

0.0000

310.7581,
359.4032, 279.6728

0.0000, 0.1866,
0.0000

0.0000, 0.0000,
0.0000

47.6767, 59.7195,
34.2135

47.6767, 59.7195,
34.2135

43.9984, 57.9917,
26.5174

51.8327, 61.6617,
43.5404

40.7719, 56.4614,
20.3544

56.4815, 63.8187,
54.5807

37.9757, 55.1217,
15.6224

61.6432, 66.2010,
67.4157

35.5838, 53.9618,
12.2052

67.3353, 68.8157,
82.1208

■ 33.5669, 52.9695,
9.9683

■ 73.5742, 71.6700,
98.7666

■ 31.8902, 52.1304,
8.7487

■ 77.9685, 73.8076,
104.7447

■ 31.0293, 51.6947,
8.3427

■ 81.4427, 75.5986,
104.9072

■ 83.3378, 76.5756,
104.9959

Harmonies

Analogous

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



55.0130, 59.7195, 28.8295



47.6767, 59.7195, 34.2135



43.1342, 59.7195, 47.9942

Triad

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



47.6767, 59.7195, 34.2135



50.4534, 59.7195, 117.6772



74.5222, 59.7195, 60.0942

Complementary

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



47.6767, 59.7195, 34.2135



39.3441, 33.0204, 67.9215

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.



72.9936, 59.7195, 85.6707



47.6767, 59.7195, 34.2135



58.5469, 59.7195, 123.2215

Square

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



47.6767, 59.7195, 34.2135



44.6224, 59.7195, 96.6418



66.9329, 59.7195, 110.3212



70.9241, 59.7195, 41.1858

Rectangle

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



47.6767, 59.7195, 34.2135



42.0240, 59.7195, 62.0113



66.9329, 59.7195, 110.3212



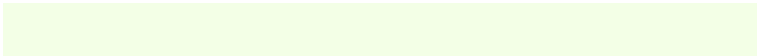
74.5954, 59.7195, 68.1335

Sweetspot

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



47.6782, 59.7221, 34.2148



86.9771, 96.2816, 88.4953



47.6486, 46.4355, 31.6518



18.3875, 20.5024, 18.3759



0.0000, 0.0000, 0.0000



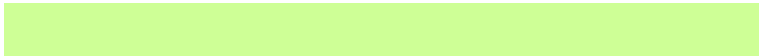
20.3446, 21.4041, 23.3091

Same Dimension

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



47.6782, 59.7221, 34.2148



66.8386, 86.9015, 42.2954



40.4716, 56.0069, 33.8775



12.8896, 14.2193, 13.2259



18.8755, 31.3070, 5.0480



1.2336, 1.9373, 0.3089

Inverse Universe

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



39.3441, 33.0204, 67.9215



52.6210, 41.3391, 99.8136



48.3429, 37.6595, 68.3426



12.2870, 12.2893, 15.6620



10.6094, 4.6218, 38.7861



0.7349, 0.3277, 2.3438

Previews

White Background



This preview shows how the XYZ color 47.6767, 59.7195, 34.2135 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 47.6767, 59.7195, 34.2135 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 47.6767, 59.7195, 34.2135

Background



This preview shows how black text looks on a background with the XYZ color 47.6767, 59.7195, 34.2135.

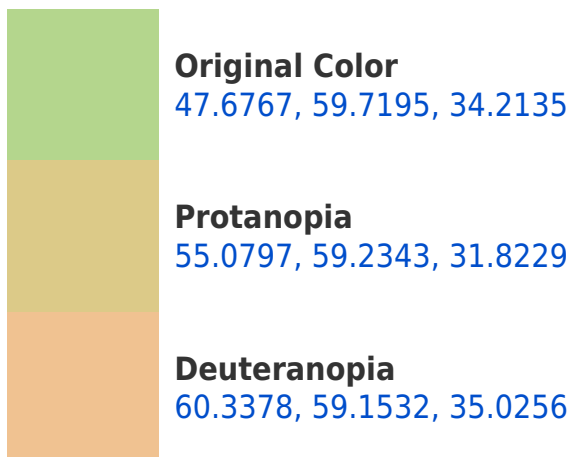


This preview shows how white text looks on a background with the XYZ color 47.6767, 59.7195,

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

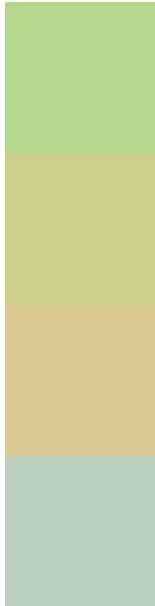




Tritanopia

55.9970, 59.4294, 76.2298

Trichromacy



Original Color

47.6767, 59.7195, 34.2135

Protanomaly

51.8356, 58.9567, 32.6925

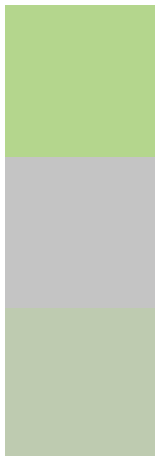
Deuteranomaly

54.8341, 58.6923, 34.8242

Tritanomaly

52.4534, 59.4381, 57.9983

Monochromacy



Original Color

47.6767, 59.7195, 34.2135

Achromatopsia

52.4687, 55.2011, 60.1140

Achromatomaly

50.4276, 56.7936, 49.3787

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.6767, 59.7195, 34.2135 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(180, 214, 141)` looks like.

```
.text, #text, p{  
    color:rgb(180, 214, 141)  
}
```

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(180, 214, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 214, 141) }
```

Border

The CSS property to change the border of an element to XYZ 47.6767, 59.7195, 34.2135 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(180, 214, 141) }
```


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

```
.border{ border-color:rgb(180, 214, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 214, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 214, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 214, 141);  
box-shadow:4px 4px 4px 4px rgb(180, 214,  
141) }
```

Background

The CSS property to change the background color of an element to XYZ 47.6767, 59.7195, 34.2135 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 214, 141) }
```

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

```
.background{ background-color: rgb(180,  
214, 141) }
```

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