

Converting Colors

XYZ(48.5711, 60.0033, 47.7776)

Have a look what the booklet for
XYZ(48.5711, 60.0033, 47.7776)
contains.

XYZ(48.4105, 59.8041, 47.5199)	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(48.4105, 59.8041,
47.5199)**

Conversions

Conversions Part 1

Format	Color
Hex	ACD6AB
RGB	172, 214, 171
RGB Percent	67%, 84%, 67%
CMY	0.3255, 0.1608, 0.3294
CMYK	0.20, 0.00, 0.20, 0.16
HSL	119°, 34%, 75%
HSV	119°, 20%, 84%
XYZ	48.4105, 59.8041, 47.5199
YIQ	196.5400, -11.2290, -22.2770

Conversions

Conversions Part 2

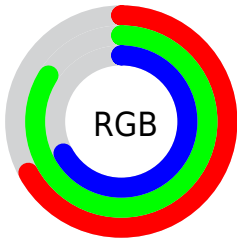
Format	Color
RYB	171, 214, 213
Decimal	11327147
CIELab	81.73, -21.95, 16.80
CIElCh	82, 27.642, 142.579
Yxy	59.8041, 0.3109, 0.3840
Android (android.graphics.Color)	4289517227 (0xFFACD6AB)
YUV	196.5400, -12.5912, -21.5216
Hunter-Lab	77.3331, -23.5920, 17.7005

Details

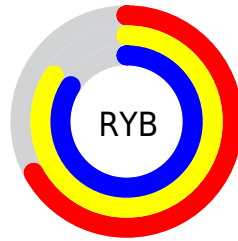
The XYZ color **48.4105, 59.8041, 47.5199** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **54.1436, 48.1287, 70.0576**, and the grayscale version is **52.8733, 55.6268, 60.5776**.

A 20% lighter version of the original color is **81.4824, 93.5050, 85.7052**, and **23.3357, 30.0501, 22.0231** is the 20% darker color. If you saturate the color by 10%, you get **42.3014, 56.8734, 37.4343**, and if you desaturate by 10%, it is **55.5747, 63.2440, 59.3814**.

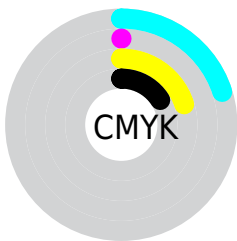
Distribution



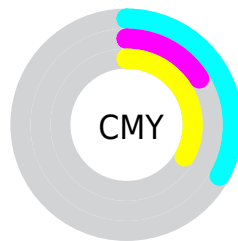
- Red (67%)
- Green (84%)
- Blue (67%)



- Red (67%)
- Yellow (84%)
- Blue (84%)



- Cyan (20%)
- Magenta (0%)
- Yellow (20%)
- Black (16%)



- Cyan (33%)
- Magenta (16%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.4105, 59.8041, 47.5199 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 48.4105, 59.8041, 47.5199 by changing the saturation by 10% instead.

■ 48.4105, 59.8041,
47.5199

■ 48.4105, 59.8041,
47.5199

370.9725,
423.8753, 393.3396

■ 34.3647, 43.2608,
33.0896

■ 87.0213, 104.5454,
87.8472

■ 23.3381, 30.0898,
21.9234

112.3170,
133.5122, 114.5813

■ 14.9654, 19.9067,
13.6028

142.0933,
167.3889, 146.2537

■ 8.8813, 12.3273,
7.7094

176.7157,
206.5600, 183.2830

■ 4.7203, 6.9670,
3.8245

216.5494,
251.4097, 226.0877

■ 2.1172, 3.4414,
1.5295

261.9599,

■ 0.6985, 1.3663,

302.3226, 275.0863

0.2398

313.3125,
359.6830, 330.6975

■ 0.0000, 0.1917,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 48.4105, 59.8041,
47.5199

■ 48.4105, 59.8041,
47.5199

■ 42.3014, 56.8734,
37.4343

■ 55.5747, 63.2440,
59.3814

■ 37.1931, 54.4206,
29.0354

■ 63.8356, 67.2077,
73.0942

■ 33.0337, 52.4226,
22.2324

■ 73.2380, 71.7184,
88.7343

■ 29.7647, 50.8515,
16.9244

■ 83.3378, 76.5755,
104.9959

■ 27.3213, 49.6762,
12.9989

■ 25.6296, 48.8615,
10.3275

■ 24.6028, 48.3658,
8.7580

■ 24.1100, 48.1276,
8.0188

Harmonies

Analogous

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



52.6531, 59.8041, 39.7826



48.4105, 59.8041, 47.5199



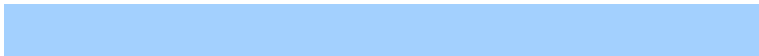
46.4526, 59.8041, 61.0645

Triad

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



48.4105, 59.8041, 47.5199



55.4090, 59.8041, 102.3434



67.8125, 59.8041, 53.5711

Complementary

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



48.4105, 59.8041, 47.5199



54.1436, 48.1287, 70.0576

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.



68.6754, 59.8041, 69.3439



48.4105, 59.8041, 47.5199



61.2474, 59.8041, 99.4143

Square

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



48.4105, 59.8041, 47.5199



50.3100, 59.8041, 94.0267



66.1997, 59.8041, 86.5955



63.9162, 59.8041, 42.8378

Rectangle

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



48.4105, 59.8041, 47.5199



46.6056, 59.8041, 72.3478



66.1997, 59.8041, 86.5955



68.4772, 59.8041, 58.3839

Sweetspot

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



48.4121, 59.8066, 47.5212



87.3977, 96.3284, 96.1915



58.7704, 64.6103, 47.9025



18.5363, 20.5365, 20.3062



0.0000, 0.0000, 0.0000



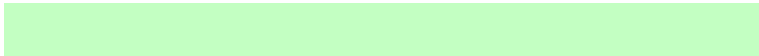
20.3446, 21.4041, 23.3091

Same Dimension

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



48.4121, 59.8066, 47.5212



68.0382, 87.0378, 64.1352



50.2544, 60.5183, 58.3630



12.2888, 13.9096, 13.1978



14.5843, 29.0948, 4.8472



0.8893, 1.7598, 0.2928

Inverse Universe

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



54.1436, 48.1287, 70.0576



78.0161, 66.7059, 103.3714



52.0267, 47.3155, 57.3924



12.9232, 12.6173, 15.6918



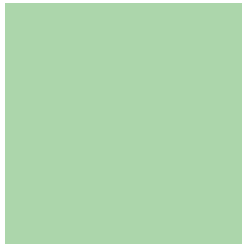
23.2474, 11.1370, 39.3775



1.4114, 0.6765, 2.3755

Previews

White Background



This preview shows how the XYZ color 48.4105, 59.8041, 47.5199 looks on a white background.

Color Contrast Check

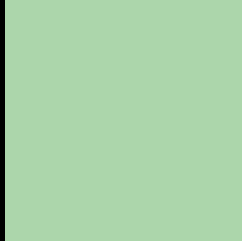
Large Text (above 18pt) WCAG AA × Fail

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 48.4105, 59.8041, 47.5199 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

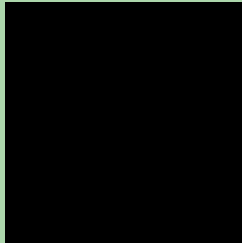
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.4105, 59.8041, 47.5199

Background



This preview shows how black text looks on a background with the XYZ color 48.4105, 59.8041, 47.5199.



This preview shows how white text looks on a background with the XYZ color 48.4105, 59.8041,

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

48.4105, 59.8041, 47.5199

Protanopia

55.9364, 59.4047, 44.1154

Deuteranopia

60.5317, 59.2812, 48.8095



Tritanopia

54.6882, 59.7771, 78.4678

Trichromacy



Original Color

48.4105, 59.8041, 47.5199

Protanomaly

52.5995, 59.0747, 45.1895

Deuteranomaly

55.3389, 58.9987, 48.5156

Tritanomaly

52.3058, 59.9178, 65.9352

Monochromacy



Original Color

48.4105, 59.8041, 47.5199

Achromatopsia

53.0703, 55.8340, 60.8033

Achromatomaly

51.1721, 57.0341, 55.8886

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.4105, 59.8041, 47.5199 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(172, 214, 171)` looks like.

```
.text, #text, p{  
    color:rgb(172, 214, 171)  
}
```

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(172, 214, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 214, 171) }
```

Border

The CSS property to change the border of an element to XYZ 48.4105, 59.8041, 47.5199 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(172, 214, 171) }
```


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

```
.border{ border-color:rgb(172, 214, 171) }
```

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

Here you see how a box with a 4 pixel rgb(172, 214, 171) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 214, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 214, 171);  
box-shadow:4px 4px 4px 4px rgb(172, 214,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 48.4105, 59.8041, 47.5199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 214, 171) }
```

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

```
.background{ background-color: rgb(172,  
214, 171) }
```

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