

Converting Colors

XYZ(47.5995, 58.4676, 49.2012)

Have a look what the booklet for
XYZ(47.5995, 58.4676, 49.2012)
contains.

XYZ(47.6435, 58.6171, 49.3606)	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(47.6435, 58.6171,
49.3606)**

Conversions

Conversions Part 1

Format	Color
Hex	A9D4AF
RGB	169, 212, 175
RGB Percent	66%, 83%, 69%
CMY	0.3373, 0.1686, 0.3137
CMYK	0.20, 0.00, 0.17, 0.17
HSL	128°, 33%, 75%
HSV	128°, 20%, 83%
XYZ	47.6435, 58.6171, 49.3606
YIQ	194.9250, -13.7510, -20.6230

Conversions

Conversions Part 2

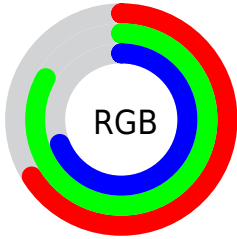
Format	Color
RYB	169, 207, 212
Decimal	11130031
CIELab	81.08, -21.27, 13.74
CIElCh	81, 25.320, 147.133
Yxy	58.6171, 0.3062, 0.3767
Android (android.graphics.Color)	4289320111 (0xFFA9D4AF)
YUV	194.9250, -9.8230, -22.7362
Hunter-Lab	76.5618, -22.9047, 15.3681

Details

The XYZ color **47.6435, 58.6171, 49.3606** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **52.4819, 46.8305, 64.6681**, and the grayscale version is **51.8909, 54.5933, 59.4521**.

A 20% lighter version of the original color is **81.2351, 93.2971, 89.3279**, and **22.7723, 29.2321, 22.8545** is the 20% darker color. If you saturate the color by 10%, you get **41.7866, 55.7927, 40.3575**, and if you desaturate by 10%, it is **54.4831, 61.9235, 59.6757**.

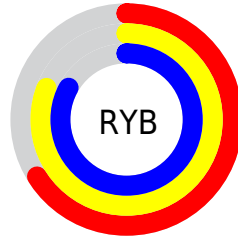
Distribution



Red (66%)

Green (83%)

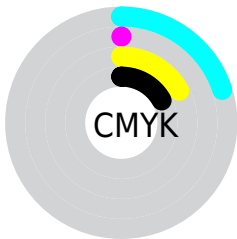
Blue (69%)



Red (66%)

Yellow (81%)

Blue (83%)

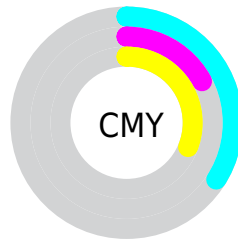


Cyan (20%)

Magenta (0%)

Yellow (17%)

Black (17%)



Cyan (34%)

Magenta (17%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.6435, 58.6171, 49.3606 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 47.6435, 58.6171, 49.3606 by changing the saturation by 10% instead.

■ 47.6435, 58.6171,
49.3606

■ 47.6435, 58.6171,
49.3606

367.9835,
419.4815, 400.8234

■ 33.7547, 42.3050,
34.5380

■ 85.8863, 102.8210,
90.6133

■ 22.8672, 29.3402,
23.0265

110.9710,
131.4815, 117.8805

■ 14.6157, 19.3383,
14.4076

140.5184,
165.0269, 150.1330

■ 8.6346, 11.9150,
8.2627

174.8939,
203.8416, 187.7893

■ 4.5588, 6.6858,
4.1733

214.4628,
248.3100, 231.2679

■ 2.0229, 3.2664,
1.7209

259.5904,

■ 0.6468, 1.2723,

298.8166, 280.9875

0.3750

310.6422,
355.7456, 337.3664

■ 0.0000, 0.1196,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 47.6435, 58.6171,
49.3606

■ 47.6435, 58.6171,
49.3606

■ 41.7866, 55.7927,
40.3575

■ 54.4831, 61.9235,
59.6757

■ 36.8626, 53.4206,
32.6100

■ 62.3428, 65.7251,
71.3484

■ 32.8243, 51.4795,
26.0635

■ 71.2640, 70.0439,
84.4268

■ 29.6186, 49.9432,
20.6579

■ 81.2843, 74.8984,
98.9556

■ 27.1865, 48.7828,
16.3278

■ 82.8346, 75.5692,
104.8282

■ 25.4613, 47.9653,
13.0010

■ 24.3647, 47.4520,
10.5969

■ 23.7737, 47.1808,
9.0544

Harmonies

Analogous

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



51.2275, 58.6171, 41.3618



47.6435, 58.6171, 49.3606



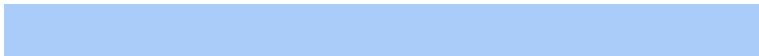
46.2111, 58.6171, 62.3865

Triad

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



47.6435, 58.6171, 49.3606



55.2095, 58.6171, 97.3428



65.2077, 58.6171, 51.5048

Complementary

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



47.6435, 58.6171, 49.3606



52.4819, 46.8305, 64.6681

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.



66.4374, 58.6171, 65.2836



47.6435, 58.6171, 49.3606



60.4547, 58.6171, 93.2267

Square

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



47.6435, 58.6171, 49.3606



50.4036, 58.6171, 91.3743



64.6476, 58.6171, 80.8683



61.3844, 58.6171, 42.4560

Rectangle

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



47.6435, 58.6171, 49.3606



46.5972, 58.6171, 72.7428



64.6476, 58.6171, 80.8683



65.9481, 58.6171, 55.6658

Sweetspot

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



47.6451, 58.6196, 49.3619



87.5956, 96.3937, 97.8635



56.2350, 63.1144, 46.7551



18.5829, 20.5519, 20.6997



0.0000, 0.0000, 0.0000



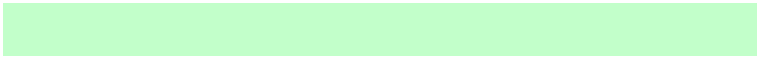
20.3446, 21.4041, 23.3091

Same Dimension

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



47.6451, 58.6196, 49.3619



68.6578, 87.2433, 69.3092



49.8978, 59.5207, 61.2246



12.3323, 13.9239, 13.5643



14.6978, 29.1345, 5.7043



0.9098, 1.7666, 0.4667

Inverse Universe

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



52.4819, 46.8305, 64.6681



77.1926, 66.4367, 96.3147



50.0734, 45.8671, 51.9853



12.8750, 12.6015, 15.2821



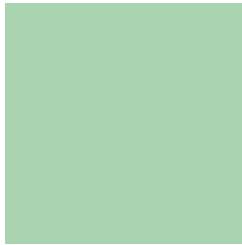
22.0292, 10.7480, 28.5213



1.3497, 0.6567, 1.8308

Previews

White Background



This preview shows how the XYZ color 47.6435, 58.6171, 49.3606 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 47.6435, 58.6171, 49.3606 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 47.6435, 58.6171, 49.3606

Background



This preview shows how black text looks on a background with the XYZ color 47.6435, 58.6171, 49.3606.



This preview shows how white text looks on a background with the XYZ color 47.6435, 58.6171,

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

47.6435, 58.6171, 49.3606

Protanopia

54.9671, 58.1702, 45.8670

Deuteranopia

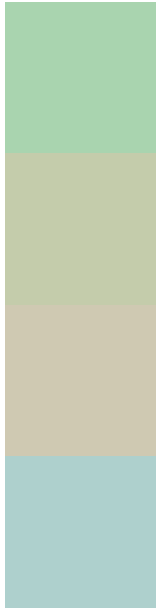
59.4234, 58.3322, 50.7751



Tritanopia

53.1476, 58.2837, 77.5559

Trichromacy



Original Color

47.6435, 58.6171, 49.3606

Protanomaly

51.7085, 57.8618, 46.9712

Deuteranomaly

54.6547, 58.2530, 50.4828

Tritanomaly

51.0309, 58.5182, 66.3631

Monochromacy



Original Color

47.6435, 58.6171, 49.3606

Achromatopsia

51.8711, 54.5724, 59.4294

Achromatomaly

50.2134, 55.8432, 55.7092

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.6435, 58.6171, 49.3606 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(169, 212, 175)` looks like.

```
.text, #text, p{  
    color:rgb(169, 212, 175)  
}
```

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(169, 212, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 212, 175) }
```

Border

The CSS property to change the border of an element to XYZ 47.6435, 58.6171, 49.3606 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(169, 212, 175) }
```


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

```
.border{ border-color:rgb(169, 212, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 212, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 212, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 212, 175);  
box-shadow:4px 4px 4px 4px rgb(169, 212,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 47.6435, 58.6171, 49.3606 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 212, 175) }
```

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

```
.background{ background-color: rgb(169,  
212, 175) }
```

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