

# Converting Colors

XYZ(48.4585, 61.4967, 44.1527)

Have a look what the booklet for  
XYZ(48.4585, 61.4967, 44.1527)  
contains.

<b>XYZ(48.4768, 61.4451, 43.9554)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(48.4768, 61.4451,  
43.9554)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ABDAA3
RGB	171, 218, 163
RGB Percent	67%, 85%, 64%
CMY	0.3294, 0.1451, 0.3608
CMYK	0.22, 0.00, 0.25, 0.15
HSL	111°, 43%, 75%
HSV	111°, 25%, 85%
XYZ	48.4768, 61.4451, 43.9554
YIQ	197.6770, -10.3570, -27.0690

# Conversions

## Conversions Part 2

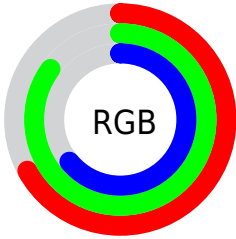
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">163, 218, 210</a>
Decimal	<a href="#">11262627</a>
CIELab	<a href="#">82.62, -25.59, 22.22</a>
CIELCh	<a href="#">83, 33.888, 139.035</a>
Yxy	<a href="#">61.4451, 0.3150, 0.3993</a>
Android (android.graphics.Color)	<a href="#">4289452707 (0xFFABDAA3)</a>
YUV	<a href="#">197.6770, -17.0958, -23.3957</a>
Hunter-Lab	<a href="#">78.3869, -26.7874, 21.6240</a>

# Details

The XYZ color **48.4768, 61.4451, 43.9554** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **52.3331, 44.9598, 72.2528**, and the grayscale version is **53.5867, 56.3774, 61.3950**.

A 20% lighter version of the original color is **80.0934, 92.9128, 80.0423**, and **23.4376, 31.1936, 19.8246** is the 20% darker color. If you saturate the color by 10%, you get **42.9137, 58.7856, 34.3629**, and if you desaturate by 10%, it is **54.9519, 64.5394, 55.3507**.

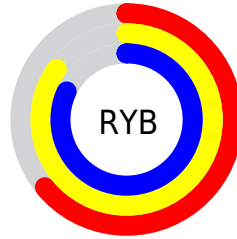
# Distribution



Red (67%)

Green (85%)

Blue (64%)



Red (64%)

Yellow (85%)

Blue (82%)

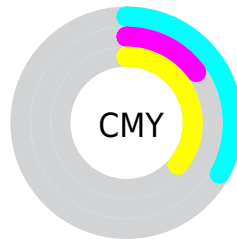


Cyan (22%)

Magenta (0%)

Yellow (25%)

Black (15%)



Cyan (33%)

Magenta (15%)


Yellow (36%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 48.4768, 61.4451, 43.9554 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 48.4768, 61.4451, 43.9554 by changing the saturation by 10% instead.





 48.4768, 61.4451,  
43.9554


 48.4768, 61.4451,  
43.9554


371.2302,  
429.9041, 378.5623

 34.4174, 44.5845,  
30.2985


 87.1193, 106.9231,  
82.4524

 23.3789, 31.1303,  
19.8113


 112.4331,  
136.3094, 108.1296

 14.9958, 20.6981,  
12.0752

142.2292,  
170.6395, 138.6506

 8.9027, 12.9035,  
6.6718

176.8728,  
210.2981, 174.4340

 4.7344, 7.3621,  
3.1824

216.7294,  
255.6695, 215.8983

 2.1254, 3.6896,  
1.1885

262.1642,

 0.7030, 1.5015,

307.1380, 263.4621

0.0000

313.5427,  
365.0881, 317.5439

■ 0.0000, 0.2898,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 48.4768, 61.4451,  
43.9554

■ 48.4768, 61.4451,  
43.9554

■ 42.9137, 58.7856,  
34.3629

■ 54.9519, 64.5394,  
55.3507

■ 38.2167, 56.5339,  
26.4772

■ 62.3725, 68.0787,  
68.6304

■ 34.3432, 54.6719,  
20.1993

■ 70.7766, 72.0824,  
83.8757

■ 31.2447, 53.1772,  
15.4185

■ 80.1983, 76.5666,  
101.1621

■ 28.8681, 52.0250,  
12.0103

■ 84.3627, 78.6253,  
105.3376

■ 27.1528, 51.1872,  
9.8297

■ 26.0278, 50.6311,  
8.6996

■ 25.6591, 50.4477,  
8.3850

# Harmonies

## Analogous

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



53.9636, 61.4451, 35.7655



48.4768, 61.4451, 43.9554



45.7343, 61.4451, 59.5794

# Triad

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



48.4768, 61.4451, 43.9554



55.7851, 61.4451, 114.3605



72.6256, 61.4451, 54.6863

# Complementary

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



48.4768, 61.4451, 43.9554



52.3331, 44.9598, 72.2528

# 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.



73.2156, 61.4451, 74.8041



48.4768, 61.4451, 43.9554



63.0767, 61.4451, 112.2900

# Square

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



48.4768, 61.4451, 43.9554



49.7149, 61.4451, 101.8833



69.5965, 61.4451, 96.7045



68.0458, 61.4451, 41.0150



# Rectangle

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



48.4768, 61.4451, 43.9554



45.6650, 61.4451, 73.3839



69.5965, 61.4451, 96.7045



73.3106, 61.4451, 60.8159

# Sweetspot

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



48.4784, 61.4477, 43.9568



85.8122, 95.5973, 92.2239



58.5119, 63.5226, 43.8284



18.0173, 20.2948, 19.1120



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

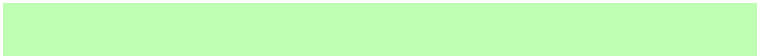


# Same Dimension

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



48.4784, 61.4477, 43.9568



64.9878, 85.6534, 55.4907



48.6470, 61.3199, 53.6651



13.0618, 14.6966, 13.8739



15.4266, 30.2502, 5.0258



1.0566, 1.9893, 0.3283



# Inverse Universe

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



52.3331, 44.9598, 72.2528



71.3350, 58.4709, 102.1340



52.2927, 45.2133, 59.8540



13.4186, 13.1739, 16.4877



19.8276, 9.3457, 40.4973

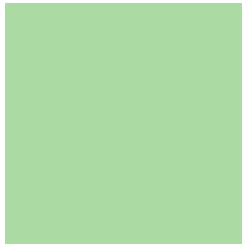


1.3364, 0.6322, 2.6260



# Previews

## White Background



This preview shows how the XYZ color 48.4768, 61.4451, 43.9554 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 48.4768, 61.4451, 43.9554 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

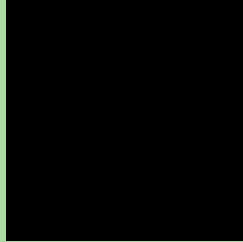
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 48.4768, 61.4451, 43.9554

## Background



This preview shows how black text looks on a background with the XYZ color 48.4768, 61.4451, 43.9554.



This preview shows how white text looks on a background with the XYZ color 48.4768, 61.4451,

43.9554.

# 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



<b>Original Color</b>
48.4768, 61.4451, 43.9554
<b>Protanopia</b>
57.1305, 61.1570, 40.6917
<b>Deuteranopia</b>
62.2012, 60.8997, 45.0357



## Tritanopia

56.0655, 61.5293, 80.8729

# Trichromacy



## Original Color

48.4768, 61.4451, 43.9554

## Protanomaly

53.6617, 61.1529, 41.7763

## Deuteranomaly

56.4458, 60.7120, 44.8200

## Tritanomaly

52.9338, 61.3653, 65.5547

# Monochromacy



## Original Color

48.4768, 61.4451, 43.9554

## Achromatopsia

53.6758, 56.4712, 61.4971

## Achromatomaly

51.3273, 57.8568, 54.3612

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 48.4768, 61.4451, 43.9554 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(171, 218, 163)` looks like.

```
.text, #text, p{  
    color:rgb(171, 218, 163)  
}
```

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(171, 218, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 218, 163) }
```

## Border

The CSS property to change the border of an element to XYZ 48.4768, 61.4451, 43.9554 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(171, 218, 163) }
```



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

```
.border{ border-color:rgb(171, 218, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 218, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 218, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 218, 163);  
box-shadow:4px 4px 4px 4px rgb(171, 218,  
163) }
```

# Background

The CSS property to change the background color of an element to XYZ 48.4768, 61.4451, 43.9554 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 218, 163) }
```

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

```
.background{ background-color: rgb(171,  
218, 163) }
```

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