

# Converting Colors

XYZ(45.2361, 59.8834, 38.8802)

Have a look what the booklet for  
XYZ(45.2361, 59.8834, 38.8802)  
contains.

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# Color

**XYZ(45.2361, 59.8834,  
38.8802)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A0DA98
RGB	160, 218, 152
RGB Percent	63%, 85%, 60%
CMY	0.3725, 0.1451, 0.4039
CMYK	0.27, 0.00, 0.30, 0.15
HSL	113°, 47%, 73%
HSV	113°, 30%, 85%
XYZ	45.2361, 59.8834, 38.8802
YIQ	193.1340, -13.3820, -32.8220

# Conversions

## Conversions Part 2

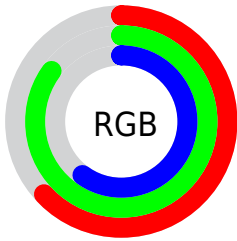
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">152, 218, 210</a>
Decimal	<a href="#">10541720</a>
CIELab	<a href="#">81.77, -31.06, 26.69</a>
CIELCh	<a href="#">82, 40.954, 139.335</a>
Yxy	<a href="#">59.8834, 0.3141, 0.4159</a>
Android (android.graphics.Color)	<a href="#">4288731800</a> ( <a href="#">0xFFA0DA98</a> )
YUV	<a href="#">193.1340, -20.2791, -29.0585</a>
Hunter-Lab	<a href="#">77.3844, -31.0780, 24.3800</a>

# Details

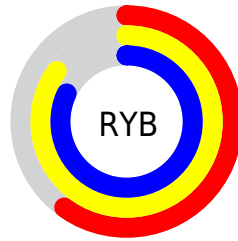
The XYZ color **45.2361, 59.8834, 38.8802** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **50.4641, 41.2218, 71.6297**, and the grayscale version is **50.8898, 53.5401, 58.3051**.

A 20% lighter version of the original color is **75.3414, 90.6239, 72.5527**, and **21.4608, 30.2403, 16.7624** is the 20% darker color. If you saturate the color by 10%, you get **40.0731, 57.4112, 30.1595**, and if you desaturate by 10%, it is **51.3206, 62.7962, 49.3595**.

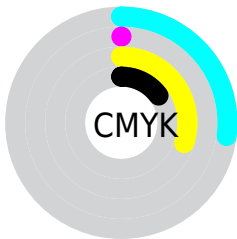
# Distribution



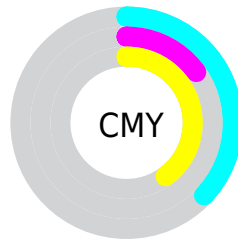
- Red (63%)
- Green (85%)
- Blue (60%)



- Red (60%)
- Yellow (85%)
- Blue (82%)



- Cyan (27%)
- Magenta (0%)
- Yellow (30%)
- Black (15%)




- Cyan (37%)
- Magenta (15%)
- Yellow (40%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 45.2361, 59.8834, 38.8802 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 45.2361, 59.8834, 38.8802 by changing the saturation by 10% instead.





 45.2361, 59.8834,  
38.8802

 45.2361, 59.8834,  
38.8802


358.4966,  
424.1679, 356.7916

 31.8455, 43.3247,  
26.3594


 82.3095, 104.6605,  
74.6736

 21.3985, 30.1399,  
16.8646


 106.7230,  
133.6477, 98.7833

 13.5297, 19.9448,  
9.9770


135.5415,  
167.5464, 127.5931

 7.8738, 12.3549,  
5.2783

169.1303,  
206.7411, 161.5214

 4.0654, 6.9859,  
2.3499

207.8549,  
251.6163, 200.9869

 1.7392, 3.4533,  
0.7590

252.0806,

 0.4806, 1.3727,

302.5562, 246.4081

0.0000

302.1727,  
359.9452, 298.2035

■ 0.0000, 0.1965,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 45.2361, 59.8834,  
38.8802

■ 45.2361, 59.8834,  
38.8802

■ 40.0731, 57.4112,  
30.1595

■ 51.3206, 62.7962,  
49.3595

■ 35.7821, 55.3510,  
23.0974

■ 58.3638, 66.1617,  
61.6823

■ 32.3159, 53.6824,  
17.5900

■ 66.4066, 70.0008,  
75.9326

■ 29.6207, 52.3803,  
13.5200

■ 75.4860, 74.3310,  
92.1882

■ 27.6366, 51.4166,  
10.7533

■ 84.3626, 78.6252,  
105.3375

■ 26.2942, 50.7591,  
9.1308

■ 25.5094, 50.3704,  
8.3780

# Harmonies

## Analogous

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



51.5985, 59.8834, 29.8560



45.2361, 59.8834, 38.8802



42.1188, 59.8834, 56.7979

# Triad

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



45.2361, 59.8834, 38.8802



53.9015, 59.8834, 123.9390



74.0539, 59.8834, 50.7008

# Complementary

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



45.2361, 59.8834, 38.8802



50.4641, 41.2218, 71.6297

# 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.



74.8303, 59.8834, 74.3986



45.2361, 59.8834, 38.8802



62.5898, 59.8834, 121.1077

# Square

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



45.2361, 59.8834, 38.8802



46.7751, 59.8834, 108.2993



70.4541, 59.8834, 101.3298



68.4290, 59.8834, 35.3913



# Rectangle

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



45.2361, 59.8834, 38.8802



42.0641, 59.8834, 73.2188



70.4541, 59.8834, 101.3298



74.9106, 59.8834, 57.7944

# Sweetspot

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



45.2376, 59.8860, 38.8815



84.5379, 94.9825, 90.2590



57.4331, 62.8745, 38.8156



17.7548, 20.1679, 18.7204



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

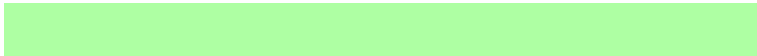


# Same Dimension

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



45.2376, 59.8860, 38.8815



59.9169, 83.2076, 47.6471



45.8785, 59.9634, 50.3357



13.0324, 14.6814, 13.8725



15.3300, 30.2004, 5.0213



1.0427, 1.9821, 0.3276



# Inverse Universe

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



50.4641, 41.2218, 71.6297



68.4475, 52.6962, 101.1715



49.8590, 41.2495, 56.2575



13.4510, 13.1906, 16.4892



20.6028, 9.7453, 40.5335

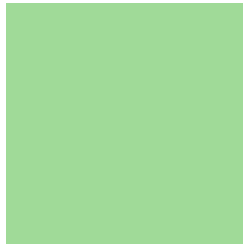


1.3794, 0.6544, 2.6280



# Previews

## White Background



This preview shows how the XYZ color 45.2361, 59.8834, 38.8802 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 45.2361, 59.8834, 38.8802 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

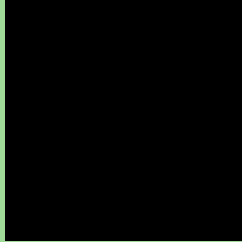
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 45.2361, 59.8834, 38.8802

## Background



This preview shows how black text looks on a background with the XYZ color 45.2361, 59.8834, 38.8802.



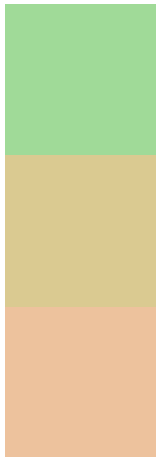
This preview shows how white text looks on a background with the XYZ color 45.2361, 59.8834,



# 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

45.2361, 59.8834, 38.8802

### Protanopia

55.1448, 59.1908, 35.3066

### Deuteranopia

60.3026, 59.0224, 40.1125



## Tritanopia

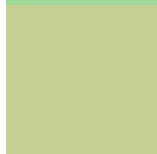
53.6247, 59.9214, 79.9738

# Trichromacy



## Original Color

45.2361, 59.8834, 38.8802



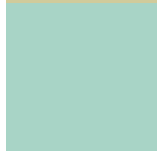
## Protanomaly

50.9271, 59.1202, 36.7442



## Deuteranomaly

53.5668, 58.6337, 39.5045



## Tritanomaly

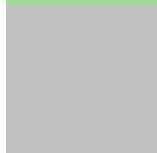
49.8850, 59.4890, 62.2794

# Monochromacy



## Original Color

45.2361, 59.8834, 38.8802



## Achromatopsia

50.6879, 53.3276, 58.0738



## Achromatomaly

48.2125, 55.2792, 50.2484

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 45.2361, 59.8834, 38.8802 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(160, 218, 152)` looks like.

```
.text, #text, p{  
    color:rgb(160, 218, 152)  
}
```

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(160, 218, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 218, 152) }
```

## Border

The CSS property to change the border of an element to XYZ 45.2361, 59.8834, 38.8802 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(160, 218, 152) }
```



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

```
.border{ border-color:rgb(160, 218, 152) }
```

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

Here you see how a box with a 4 pixel rgb(160, 218, 152) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 218, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 218, 152);  
box-shadow:4px 4px 4px 4px rgb(160, 218,  
152) }
```

# Background

The CSS property to change the background color of an element to XYZ 45.2361, 59.8834, 38.8802 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 218, 152) }
```

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

```
.background{ background-color: rgb(160,  
218, 152) }
```

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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