

Converting Colors

XYZ(45.9687, 61.4347, 38.8437)

Have a look what the booklet for
XYZ(45.9687, 61.4347, 38.8437)
contains.

XYZ(45.9396, 61.4209, 38.7123)	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(45.9396, 61.4209,
38.7123)**

Conversions

Conversions Part 1

Format	Color
Hex	A0DD97
RGB	160, 221, 151
RGB Percent	63%, 87%, 59%
CMY	0.3725, 0.1333, 0.4078
CMYK	0.28, 0.00, 0.32, 0.13
HSL	112°, 51%, 73%
HSV	112°, 32%, 87%
XYZ	45.9396, 61.4209, 38.7123
YIQ	194.7810, -13.8860, -34.7020

Conversions

Conversions Part 2

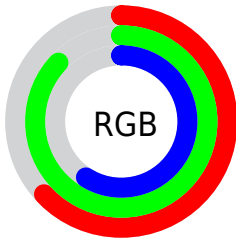
Format	Color
RYB	151, 221, 212
Decimal	10542487
CIELab	82.60, -32.63, 28.32
CIELCh	83, 43.205, 139.041
Yxy	61.4209, 0.3145, 0.4205
Android (android.graphics.Color)	4288732567 (0xFFA0DD97)
YUV	194.7810, -21.5840, -30.5029
Hunter-Lab	78.3715, -32.5174, 25.5732

Details

The XYZ color **45.9396, 61.4209, 38.7123** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **51.2718, 41.3526, 73.6894**, and the grayscale version is **51.8731, 54.5745, 59.4317**.

A 20% lighter version of the original color is **75.2195, 90.5752, 71.9108**, and **21.8322, 31.2375, 16.6831** is the 20% darker color. If you saturate the color by 10%, you get **40.7542, 58.9378, 29.9628**, and if you desaturate by 10%, it is **52.0611, 64.3513, 49.2644**.

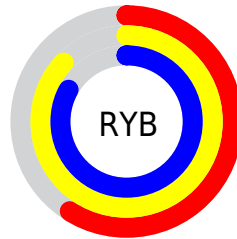
Distribution



Red (63%)

Green (87%)

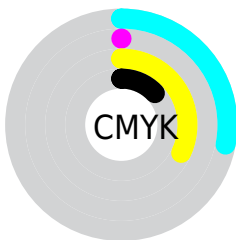
Blue (59%)



Red (59%)

Yellow (87%)

Blue (83%)

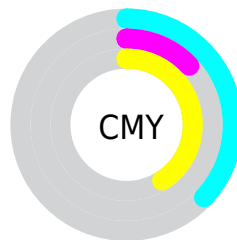


Cyan (28%)

Magenta (0%)

Yellow (32%)

Black (13%)



Cyan (37%)


Magenta (13%)


Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.9396, 61.4209, 38.7123 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 45.9396, 61.4209, 38.7123 by changing the saturation by 10% instead.


 45.9396, 61.4209,
38.7123

 45.9396, 61.4209,
38.7123


361.2858,
429.8156, 356.0551

 32.4026, 44.5649,
26.2299


 83.3570, 106.8881,
74.4141

 21.8262, 31.1149,
16.7684


 107.9681,
136.2682, 98.4706

 13.8452, 20.6863,
9.9093


137.0013,
170.5917, 127.2221

 8.0940, 12.8949,
5.2340

170.8219,
210.2432, 161.0873

 4.2075, 7.3562,
2.3241

209.7953,
255.6069, 200.4846

 1.8202, 3.6859,
0.7447

254.2869,

 0.5298, 1.4994,

307.0672, 245.8327

0.0000

304.6619,
365.0087, 297.5500

■ 0.0000, 0.2883,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 45.9396, 61.4209,
38.7123

■ 45.9396, 61.4209,
38.7123

■ 40.7542, 58.9378,
29.9628

■ 52.0611, 64.3513,
49.2644

■ 36.4540, 56.8726,
22.9113

■ 59.1570, 67.7413,
61.7077

■ 32.9903, 55.2043,
17.4489

■ 67.2691, 71.6124,
76.1300

■ 30.3078, 53.9071,
13.4520

■ 76.4355, 75.9825,
92.6122

■ 28.3444, 52.9521,
10.7792

■ 85.1477, 80.1954,
105.5992

■ 27.0281, 52.3058,
9.2610

■ 26.3479, 51.9681,
8.6422

Harmonies

Analogous

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



52.7609, 61.4209, 29.3304



45.9396, 61.4209, 38.7123



42.5863, 61.4209, 57.6446

Triad

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



45.9396, 61.4209, 38.7123



55.0592, 61.4209, 130.4634



76.8771, 61.4209, 51.5834

Complementary

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



45.9396, 61.4209, 38.7123



51.2718, 41.3526, 73.6894

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.



77.6600, 61.4209, 77.0459



45.9396, 61.4209, 38.7123



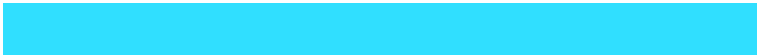
64.3818, 61.4209, 127.5810

Square

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



45.9396, 61.4209, 38.7123



47.4686, 61.4209, 113.2446



72.8821, 61.4209, 106.1777



70.8442, 61.4209, 35.2890

Rectangle

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



45.9396, 61.4209, 38.7123



42.5025, 61.4209, 75.2135



72.8821, 61.4209, 106.1777



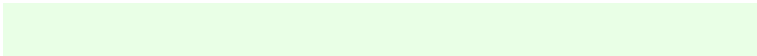
77.7852, 61.4209, 59.1803

Sweetspot

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



45.9412, 61.4235, 38.7137



83.5046, 94.4914, 88.3328



58.8677, 64.5300, 38.6320



17.5510, 20.0711, 18.3368



0.0000, 0.0000, 0.0000



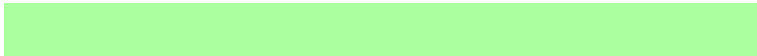
20.3446, 21.4041, 23.3091

Same Dimension

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



45.9412, 61.4235, 38.7137



58.6383, 82.6003, 45.2458



46.5235, 61.4561, 50.8328



13.0413, 14.6860, 13.8729



15.3577, 30.2147, 5.0226



1.0470, 1.9843, 0.3278

Inverse Universe

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



51.2718, 41.3526, 73.6894



67.0988, 50.6814, 100.8537



50.7757, 41.4622, 57.1567



13.4411, 13.1855, 16.4888



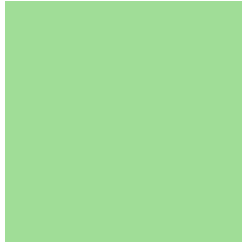
20.3645, 9.6224, 40.5224



1.3662, 0.6476, 2.6274

Previews

White Background



This preview shows how the XYZ color 45.9396, 61.4209, 38.7123 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 45.9396, 61.4209, 38.7123 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 45.9396, 61.4209, 38.7123

Background



This preview shows how black text looks on a background with the XYZ color 45.9396, 61.4209, 38.7123.



This preview shows how white text looks on a background with the XYZ color 45.9396, 61.4209,

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

45.9396, 61.4209, 38.7123

Protanopia

56.6842, 61.0484, 35.1815

Deuteranopia

62.0163, 60.5809, 39.8772



Tritanopia

54.5314, 61.0742, 82.3132

Trichromacy



Original Color

45.9396, 61.4209, 38.7123

Protanomaly

52.1139, 60.8372, 36.5998

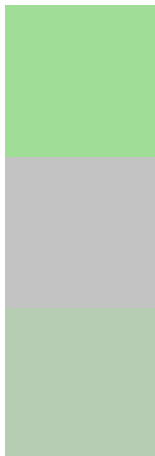
Deuteranomaly

54.8154, 59.9928, 39.2625

Tritanomaly

50.8742, 61.0958, 63.7549

Monochromacy



Original Color

45.9396, 61.4209, 38.7123

Achromatopsia

51.8711, 54.5724, 59.4294

Achromatomaly

49.0210, 56.3855, 50.9476

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.9396, 61.4209, 38.7123 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, 221, 151)` looks like.

```
.text, #text, p{  
    color:rgb(160, 221, 151)  
}
```

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, 221, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 221, 151) }
```

Border

The CSS property to change the border of an element to XYZ 45.9396, 61.4209, 38.7123 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, 221, 151) }
```


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

```
.border{ border-color:rgb(160, 221, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 221, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 221, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 221, 151);  
box-shadow:4px 4px 4px 4px rgb(160, 221,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 45.9396, 61.4209, 38.7123 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 221, 151) }
```

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

```
.background{ background-color: rgb(160,  
221, 151) }
```

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