

# Converting Colors

XYZ(45.9424, 63.6792, 27.0100)

Have a look what the booklet for  
XYZ(45.9424, 63.6792, 27.0100)  
contains.

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# Color

**XYZ(45.9834, 63.7001,  
27.0113)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A5E276
RGB	165, 226, 118
RGB Percent	65%, 89%, 46%
CMY	0.3529, 0.1137, 0.5372
CMYK	0.27, 0.00, 0.48, 0.11
HSL	94°, 65%, 67%
HSV	94°, 48%, 89%
XYZ	45.9834, 63.7001, 27.0113
YIQ	195.4490, -1.6880, -46.5200

# Conversions

## Conversions Part 2

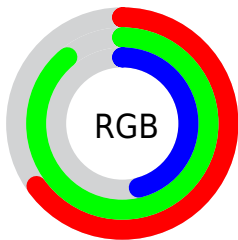
Format	Color
<a href="#">RYB</a>	<a href="#">118, 226, 179</a>
Decimal	<a href="#">10871414</a>
CIELab	<a href="#">83.81, -37.70, 46.42</a>
CIELCh	<a href="#">84, 59.796, 129.081</a>
Yxy	<a href="#">63.7001, 0.3364, 0.4660</a>
Android (android.graphics.Color)	<a href="#">4289061494 (0xFFA5E276)</a>
YUV	<a href="#">195.4490, -38.1824, -26.7038</a>
Hunter-Lab	<a href="#">79.8123, -36.8299, 35.8028</a>

# Details

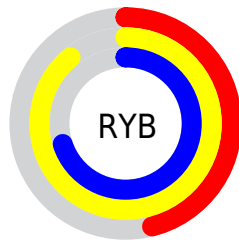
The XYZ color **45.9834, 63.7001, 27.0113** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **38.7992, 28.0335, 75.3212**, and the grayscale version is **52.3628, 55.0897, 59.9927**.

A 20% lighter version of the original color is **73.3306, 90.0282, 52.5420**, and **21.7885, 32.4578, 10.2709** is the 20% darker color. If you saturate the color by 10%, you get **42.2744, 61.9270, 20.6477**, and if you desaturate by 10%, it is **50.2824, 65.7441, 35.0846**.

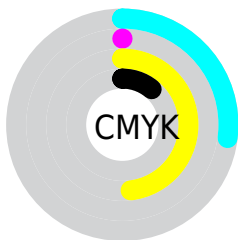
# Distribution



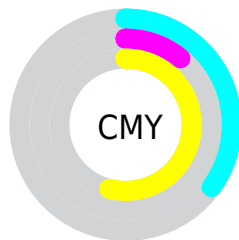
- Red (65%)
- Green (89%)
- Blue (46%)



- Red (46%)
- Yellow (89%)
- Blue (70%)



- Cyan (27%)
- Magenta (0%)
- Yellow (48%)
- Black (11%)



- Cyan (35%)
- Magenta (11%)
- Yellow (54%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 45.9834, 63.7001, 27.0113 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 45.9834, 63.7001, 27.0113 by changing the saturation by 10% instead.



■ 45.9834, 63.7001,  
27.0113

■ 45.9834, 63.7001,  
27.0113

361.4590,  
438.1058, 301.4737

■ 32.4373, 46.4078,  
17.3492

■ 83.4222, 110.1789,  
55.9060

■ 21.8529, 32.5678,  
10.3192

■ 108.0455,  
140.1342, 75.9756

■ 13.8648, 21.7955,  
5.5027

■ 137.0920,  
175.0794, 100.3515

■ 8.1078, 13.7067,  
2.4813

170.9270,  
215.3987, 129.4522

■ 4.2164, 7.9170,  
0.8302

209.9159,  
261.4766, 163.6962

■ 1.8253, 4.0419,  
0.0000

254.4239,

■ 0.5328, 1.6970,

313.6975, 203.5021

0.0000

304.8165,  
372.4458, 249.2884

■ 0.0000, 0.4217,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 45.9834, 63.7001,  
27.0113

■ 45.9834, 63.7001,  
27.0113

■ 42.2744, 61.9270,  
20.6477

■ 50.2824, 65.7441,  
35.0846

■ 39.1196, 60.4032,  
15.8661


■ 55.1952, 68.0629,  
44.9746


■ 36.4859, 59.1167,  
12.5281


■ 60.7496, 70.6707,  
56.7844


■ 34.3337, 58.0505,  
10.4690

■ 66.9705, 73.5781,  
70.6084

 32.6110, 57.1830,  
9.4622

 73.8810, 76.7953,  
86.5344

 32.2721, 57.0114,  
9.3034

 81.5033, 80.3317,  
104.6453

 86.2532, 82.7546,  
106.0349

 86.4877, 82.8755,  
106.0459

# Harmonies

## Analogous

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



56.6472, 63.7001, 19.6584



45.9834, 63.7001, 27.0113



39.8924, 63.7001, 46.6137

# Triad

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



45.9834, 63.7001, 27.0113



51.9710, 63.7001, 161.1875



89.0525, 63.7001, 58.5614

# Complementary

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



45.9834, 63.7001, 27.0113



38.7992, 28.0335, 75.3212

# 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.



87.3210, 63.7001, 98.5090



45.9834, 63.7001, 27.0113



64.6177, 63.7001, 168.0541

# Square

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



45.9834, 63.7001, 27.0113



42.9862, 63.7001, 125.6532



77.8958, 63.7001, 141.9833



82.3327, 63.7001, 33.0336



# Rectangle

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



45.9834, 63.7001, 27.0113



38.6480, 63.7001, 68.2055



77.8958, 63.7001, 141.9833



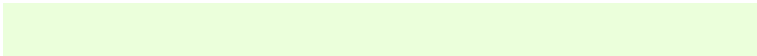
89.4582, 63.7001, 70.5246

# Sweetspot

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



45.9850, 63.7029, 27.0127



82.7922, 94.2844, 81.0602



50.4379, 49.0818, 23.9558



17.3506, 20.0075, 16.5354



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.



45.9850, 63.7029, 27.0127



55.7667, 81.5109, 27.4461



38.2698, 59.6874, 28.3752



14.0918, 15.6275, 14.5805



18.5411, 32.5908, 5.3134



1.3865, 2.3112, 0.3730



# Inverse Universe

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



38.7992, 28.0335, 75.3212



45.2635, 29.4705, 97.9105



50.8430, 34.3266, 72.0770



13.6892, 13.6233, 17.2957



13.0193, 5.8070, 41.4830



1.0046, 0.4552, 2.8802



# Previews

## White Background



This preview shows how the XYZ color 45.9834, 63.7001, 27.0113 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 45.9834, 63.7001, 27.0113 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

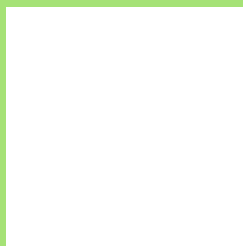
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 45.9834, 63.7001, 27.0113**

## **Background**



This preview shows how black text looks on a background with the XYZ color 45.9834, 63.7001, 27.0113.



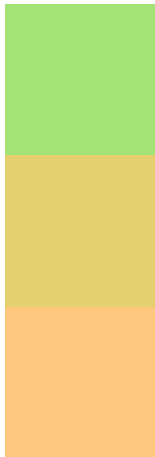
This preview shows how white text looks on a background with the XYZ color 45.9834, 63.7001,



# 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

45.9834, 63.7001, 27.0113

### Protanopia

57.7936, 62.9396, 24.4317

### Deuteranopia

64.6331, 63.2102, 28.1963



## Tritanopia

57.3686, 63.2468, 84.0471

# Trichromacy



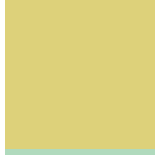
## Original Color

45.9834, 63.7001, 27.0113



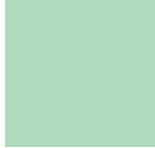
## Protanomaly

52.7913, 62.9376, 25.2854



## Deuteranomaly

56.1321, 62.3782, 27.4941



## Tritanomaly

52.1612, 63.0470, 57.5642

# Monochromacy



## Original Color

45.9834, 63.7001, 27.0113



## Achromatopsia

51.8711, 54.5724, 59.4294



## Achromatomaly

48.8135, 57.1230, 45.0123

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 45.9834, 63.7001, 27.0113 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(165, 226, 118)` looks like.

```
.text, #text, p{  
    color:rgb(165, 226, 118)  
}
```

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(165, 226, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 226, 118) }
```

## Border

The CSS property to change the border of an element to XYZ 45.9834, 63.7001, 27.0113 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(165, 226, 118) }
```



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

```
.border{ border-color:rgb(165, 226, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 226, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 226, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 226, 118);  
box-shadow:4px 4px 4px 4px rgb(165, 226,  
118) }
```

# Background

The CSS property to change the background color of an element to XYZ 45.9834, 63.7001, 27.0113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 226, 118) }
```

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

```
.background{ background-color: rgb(165,  
226, 118) }
```

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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