

# Converting Colors

XYZ(49.6425, 67.4096, 44.7889)

Have a look what the booklet for  
XYZ(49.6425, 67.4096, 44.7889)  
contains.

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# Color

**XYZ(49.5947, 67.2340,  
44.5460)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A0E7A2
RGB	160, 231, 162
RGB Percent	63%, 91%, 64%
CMY	0.3725, 0.0941, 0.3647
CMYK	0.31, 0.00, 0.30, 0.09
HSL	122°, 60%, 77%
HSV	122°, 31%, 91%
XYZ	49.5947, 67.2340, 44.5460
YIQ	201.9050, -20.1670, -36.5110

# Conversions

## Conversions Part 2

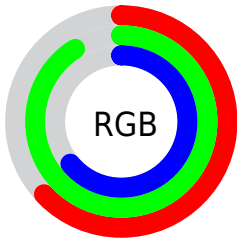
Format	Color
<a href="#">RYB</a>	<a href="#">160, 229, 231</a>
Decimal	<a href="#">10545058</a>
CIELab	<a href="#">85.62, -35.49, 26.74</a>
CIELCh	<a href="#">86, 44.436, 143.008</a>
Yxy	<a href="#">67.2340, 0.3073, 0.4166</a>
Android (android.graphics.Color)	<a href="#">4288735138 (0xFFA0E7A2)</a>
YUV	<a href="#">201.9050, -19.6732, -36.7507</a>
Hunter-Lab	<a href="#">81.9963, -35.5296, 25.1871</a>

# Details

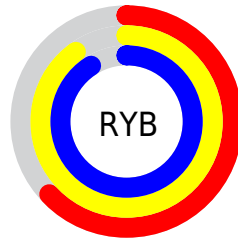
The XYZ color **49.5947, 67.2340, 44.5460** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **59.6709, 47.7891, 80.2105**, and the grayscale version is **56.2090, 59.1363, 64.3994**.

A 20% lighter version of the original color is **76.6033, 91.1287, 79.1978**, and **24.0883, 34.8499, 20.2090** is the 20% darker color. If you saturate the color by 10%, you get **43.5782, 64.3447, 34.7614**, and if you desaturate by 10%, it is **56.8290, 70.7138, 56.2500**.

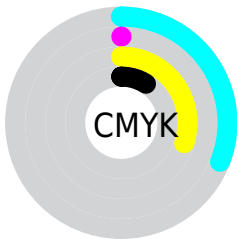
# Distribution



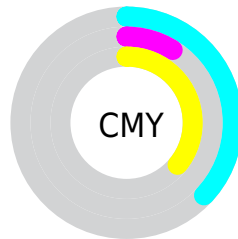
- Red (63%)
- Green (91%)
- Blue (64%)



- Red (63%)
- Yellow (90%)
- Blue (91%)



- Cyan (31%)
- Magenta (0%)
- Yellow (30%)
- Black (9%)



- Cyan (37%)
- Magenta (9%)
- Yellow (36%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 49.5947, 67.2340, 44.5460 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 49.5947, 67.2340, 44.5460 by changing the saturation by 10% instead.





 49.5947, 67.2340,  
44.5460


 49.5947, 67.2340,  
44.5460

375.5571,  
450.7772, 381.0381

 35.3079, 49.2748,  
30.7596


 88.7695, 115.2556,  
83.3499

 24.0678, 34.8375,  
20.1590

 114.3882,  
146.0869, 109.2046

 15.5089, 23.5377,  
12.3254

144.5150,  
181.9776, 139.9191

 9.2660, 14.9911,  
6.8405

179.5152,  
223.3122, 175.9119

 4.9736, 8.8131,  
3.2856

219.7542,  
270.4751, 217.6017

 2.2664, 4.6195,  
1.2423


265.5972,

 0.7774, 2.0258,

323.8506, 265.4070


0.0138


317.4098,  
383.8232, 319.7463


 0.0000, 0.6224,  
0.0000

 0.0000, 0.0000,  
0.0000


 49.5947, 67.2340,  
44.5460


 49.5947, 67.2340,  
44.5460


 43.5782, 64.3447,  
34.7614


 56.8290, 70.7138,  
56.2500


 38.7077, 62.0052,  
26.7896

 65.3374, 74.8053,  
69.9634

 34.9119, 60.1833,  
20.5207

 75.1788, 79.5390,  
85.7758

 32.1096, 58.8396,  
15.8308

 86.4072, 84.9408,  
103.7704

■ 30.2079, 57.9292,  
12.5793

■ 87.8672, 85.6344,  
106.5057

■ 29.0964, 57.3988,  
10.6011

■ 28.6129, 57.1687,  
9.7136

# Harmonies

## Analogous

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



56.5998, 67.2340, 32.9748



49.5947, 67.2340, 44.5460



46.4785, 67.2340, 66.6329

# Triad

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



49.5947, 67.2340, 44.5460



61.5654, 67.2340, 143.5761



83.5290, 67.2340, 53.5229

# Complementary

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



49.5947, 67.2340, 44.5460



59.6709, 47.7891, 80.2105

# 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.



85.2168, 67.2340, 80.1986



49.5947, 67.2340, 44.5460



71.8108, 67.2340, 137.3745

# Square

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



49.5947, 67.2340, 44.5460



52.9013, 67.2340, 127.3146



80.7304, 67.2340, 112.0957



76.3351, 67.2340, 37.1219



# Rectangle

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



49.5947, 67.2340, 44.5460



46.7657, 67.2340, 86.4725



80.7304, 67.2340, 112.0957



84.7882, 67.2340, 61.3716

# Sweetspot

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



49.5964, 67.2368, 44.5475



83.7196, 94.5501, 90.7014



67.4983, 76.4860, 44.4640



17.5553, 20.0625, 18.8281



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

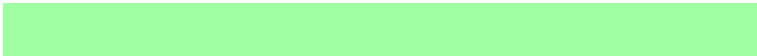


# Same Dimension

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



49.5964, 67.2368, 44.5475



57.0261, 81.7162, 47.5629



53.1168, 68.6450, 63.0853



14.2057, 16.0957, 15.3481



16.0476, 32.0512, 5.4852



1.1917, 2.3708, 0.4361



# Inverse Universe

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



59.6709, 47.7891, 80.2105



71.5486, 53.6775, 98.9687



55.3010, 46.0411, 57.1994



14.9767, 14.6078, 18.0774



26.0634, 12.5596, 40.8242

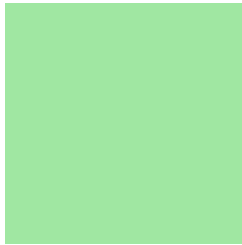


1.9316, 0.9303, 3.0461



# Previews

## White Background



This preview shows how the XYZ color 49.5947, 67.2340, 44.5460 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 49.5947, 67.2340, 44.5460 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 49.5947, 67.2340, 44.5460**

## **Background**



This preview shows how black text looks on a background with the XYZ color 49.5947, 67.2340, 44.5460.



This preview shows how white text looks on a background with the XYZ color 49.5947, 67.2340,



# 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

49.5947, 67.2340, 44.5460

### Protanopia

61.9401, 66.5796, 40.1584

### Deuteranopia

67.9661, 66.6295, 46.3244



## Tritanopia

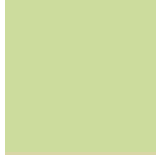
58.8920, 66.9436, 91.4788

# Trichromacy



## Original Color

49.5947, 67.2340, 44.5460



## Protanomaly

56.5808, 66.4581, 41.7439



## Deuteranomaly

59.5448, 65.5980, 45.5997



## Tritanomaly

55.0453, 66.9886, 71.6569

# Monochromacy



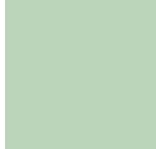
## Original Color

49.5947, 67.2340, 44.5460



## Achromatopsia

56.1383, 59.0619, 64.3184



## Achromatomaly

53.2574, 61.7412, 56.1240

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 49.5947, 67.2340, 44.5460 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, 231, 162)` looks like.

```
.text, #text, p{  
    color:rgb(160, 231, 162)  
}
```

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, 231, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 231, 162) }
```

## Border

The CSS property to change the border of an element to XYZ 49.5947, 67.2340, 44.5460 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, 231, 162) }
```



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

```
.border{ border-color:rgb(160, 231, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 231, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 231, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 231, 162);  
box-shadow:4px 4px 4px 4px rgb(160, 231,  
162) }
```

# Background

The CSS property to change the background color of an element to XYZ 49.5947, 67.2340, 44.5460 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 231, 162) }
```

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

```
.background{ background-color: rgb(160,  
231, 162) }
```

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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