

# Converting Colors

XYZ(49.1098, 66.7328, 43.3541)

Have a look what the booklet for  
XYZ(49.1098, 66.7328, 43.3541)  
contains.

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# Color

**XYZ(49.1392, 66.6053,  
43.5239)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A0E6A0
RGB	160, 230, 160
RGB Percent	63%, 90%, 63%
CMY	0.3725, 0.0980, 0.3725
CMYK	0.30, 0.00, 0.30, 0.10
HSL	120°, 58%, 76%
HSV	120°, 30%, 90%
XYZ	49.1392, 66.6053, 43.5239
YIQ	201.0900, -19.2500, -36.6100

# Conversions

## Conversions Part 2

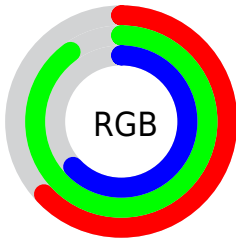
Format	Color
<a href="#">RYB</a>	<a href="#">160, 230, 230</a>
Decimal	<a href="#">10544800</a>
CIELab	<a href="#">85.30, -35.36, 27.33</a>
CIELCh	<a href="#">85, 44.692, 142.294</a>
Yxy	<a href="#">66.6053, 0.3085, 0.4182</a>
Android (android.graphics.Color)	<a href="#">4288734880 (0xFFA0E6A0)</a>
YUV	<a href="#">201.0900, -20.2574, -36.0359</a>
Hunter-Lab	<a href="#">81.6121, -35.3450, 25.5090</a>

# Details

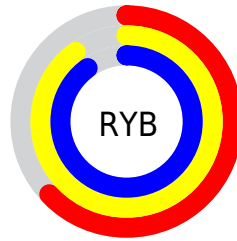
The XYZ color **49.1392, 66.6053, 43.5239** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **59.4891, 47.6792, 80.9332**, and the grayscale version is **55.7048, 58.6058, 63.8217**.

A 20% lighter version of the original color is **76.3446, 91.0252, 77.8358**, and **23.7867, 34.4190, 19.5772** is the 20% darker color. If you saturate the color by 10%, you get **43.1303, 63.7209, 33.6939**, and if you desaturate by 10%, it is **56.3744, 70.0827, 55.3571**.

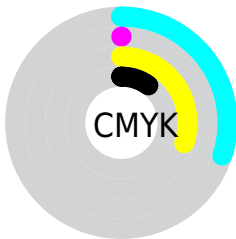
# Distribution



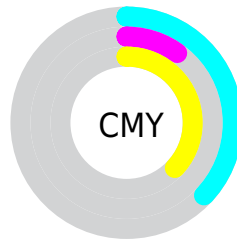
- Red (63%)
- Green (90%)
- Blue (63%)



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



- Cyan (30%)
- Magenta (0%)
- Yellow (30%)
- Black (10%)




- Cyan (37%)
- Magenta (10%)
- Yellow (37%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 49.1392, 66.6053, 43.5239 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 49.1392, 66.6053, 43.5239 by changing the saturation by 10% instead.





 49.1392, 66.6053,  
43.5239


 49.1392, 66.6053,  
43.5239


373.7979,  
448.5385, 376.7462

 34.9449, 48.7639,  
29.9619


 88.0976, 114.3547,  
81.7957

 23.7868, 34.4323,  
19.5579


 113.5925,  
145.0315, 107.3426

 15.2994, 23.2259,  
11.8932


143.5849,  
180.7555, 137.7215

 9.1175, 14.7604,  
6.5493

178.4403,  
221.9112, 173.3511

 4.8756, 8.6514,  
3.1078

218.5239,  
268.8830, 214.6498

 2.2085, 4.5145,  
1.1499


264.2011,

 0.7472, 1.9653,


322.0552, 262.0362


0.0000


315.8374,  
381.8122, 315.9288


 0.0000, 0.5872,  
0.0000


 0.0000, 0.0000,  
0.0000


 49.1392, 66.6053,  
43.5239

 49.1392, 66.6053,  
43.5239


 43.1303, 63.7209,  
33.6939


 56.3744, 70.0827,  
55.3571


 38.2750, 61.3886,  
25.7521

 64.8932, 74.1747,  
69.2910

 34.5009, 59.5758,  
19.5788

 74.7553, 78.9120,  
85.4221

 31.7254, 58.2426,  
15.0390

 86.0152, 84.3207,  
103.8397

■ 29.8540, 57.3436,  
11.9777

■ 87.5881, 85.0763,  
106.4127

■ 28.7738, 56.8248,  
10.2109

■ 28.2982, 56.5963,  
9.4328

# Harmonies

## Analogous

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



56.2149, 66.6053, 32.2454



49.1392, 66.6053, 43.5239



45.9312, 66.6053, 65.3101

# Triad

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



49.1392, 66.6053, 43.5239



60.7354, 66.6053, 142.8601



83.0487, 66.6053, 53.3867

# Complementary

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



49.1392, 66.6053, 43.5239



59.4891, 47.6792, 80.9332

# 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.



84.5890, 66.6053, 80.2458



49.1392, 66.6053, 43.5239



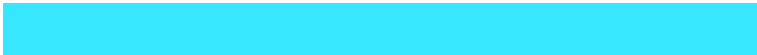
70.9705, 66.6053, 137.1877

# Square

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



49.1392, 66.6053, 43.5239



52.1463, 66.6053, 126.0836



79.9641, 66.6053, 112.1768



75.9548, 66.6053, 36.7925



# Rectangle

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



49.1392, 66.6053, 43.5239



46.1497, 66.6053, 85.0330



79.9641, 66.6053, 112.1768



84.2616, 66.6053, 61.3023

# Sweetspot

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



49.1409, 66.6081, 43.5254



83.6276, 94.5132, 90.2167



67.2781, 75.9582, 44.3737



17.5329, 20.0535, 18.7101



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

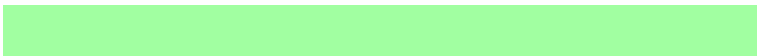


# Same Dimension

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



49.1409, 66.6081, 43.5254



56.7898, 81.6217, 46.3187



52.6462, 68.0102, 61.9840



14.1894, 16.0892, 15.2622



16.0201, 32.0401, 5.3401



1.1838, 2.3677, 0.3946



# Inverse Universe

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



59.4891, 47.6792, 80.9332



71.9736, 53.8475, 101.2067



55.0563, 45.9060, 57.5905



14.9952, 14.6153, 18.1750



26.5610, 12.7586, 43.4444

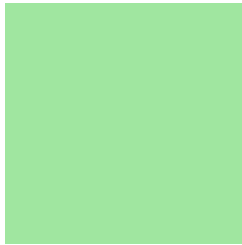


1.9628, 0.9428, 3.2104



# Previews

## White Background



This preview shows how the XYZ color 49.1392, 66.6053, 43.5239 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 49.1392, 66.6053, 43.5239 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

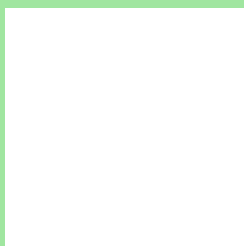
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 49.1392, 66.6053, 43.5239**

## **Background**



This preview shows how black text looks on a background with the XYZ color 49.1392, 66.6053, 43.5239.



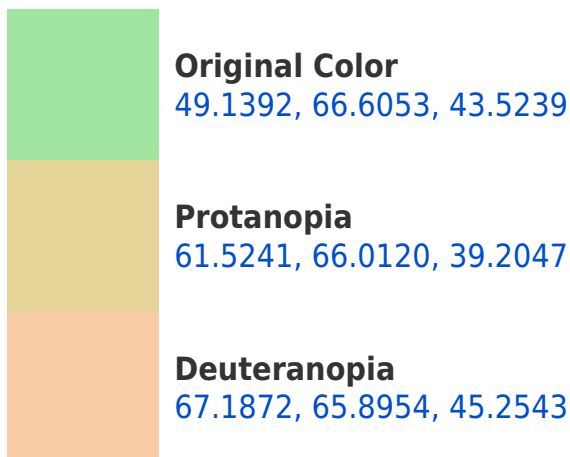
This preview shows how white text looks on a background with the XYZ color 49.1392, 66.6053,

43.5239.

# 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





## Tritanopia

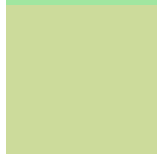
58.4814, 66.3581, 90.6150

# Trichromacy



## Original Color

49.1392, 66.6053, 43.5239



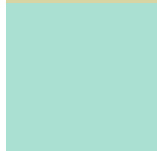
## Protanomaly

56.1498, 65.8670, 40.7645



## Deuteranomaly

58.8140, 64.8678, 44.5429



## Tritanomaly

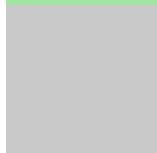
54.6507, 66.3995, 70.9087

# Monochromacy



## Original Color

49.1392, 66.6053, 43.5239



## Achromatopsia

55.5167, 58.4078, 63.6061



## Achromatomaly

52.6561, 61.0712, 55.4670

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 49.1392, 66.6053, 43.5239 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, 230, 160)` looks like.

```
.text, #text, p{  
    color:rgb(160, 230, 160)  
}
```

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, 230, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 230, 160) }
```

## Border

The CSS property to change the border of an element to XYZ 49.1392, 66.6053, 43.5239 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, 230, 160) }
```



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

```
.border{ border-color:rgb(160, 230, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 230, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 230, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 230, 160);  
box-shadow:4px 4px 4px 4px rgb(160, 230,  
160) }
```

# Background

The CSS property to change the background color of an element to XYZ 49.1392, 66.6053, 43.5239 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 230, 160) }
```

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

```
.background{ background-color: rgb(160,  
230, 160) }
```

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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