

# Converting Colors

XYZ(35.2560, 49.0155, 44.9774)

Have a look what the booklet for  
XYZ(35.2560, 49.0155, 44.9774)  
contains.

<b>XYZ(35.3274, 49.0872, 45.1489)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(35.3274, 49.0872,  
45.1489)**

# Conversions

## Conversions Part 1

Format	Color
Hex	71CBA9
RGB	113, 203, 169
RGB Percent	44%, 80%, 66%
CMY	0.5569, 0.2039, 0.3372
CMYK	0.44, 0.00, 0.17, 0.20
HSL	157°, 46%, 62%
HSV	157°, 44%, 80%
XYZ	35.3274, 49.0872, 45.1489
YIQ	172.2140, -42.7260, -29.6540

# Conversions

## Conversions Part 2

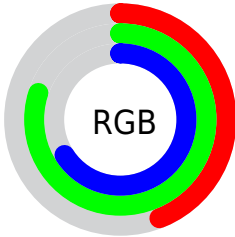
<b>Format</b>	<b>Color</b>
<b>RYB</b>	113, 168, 203
Decimal	7457705
CIELab	75.51, -34.92, 8.63
CIElCh	76, 35.974, 166.122
Yxy	49.0872, 0.2727, 0.3789
Android (android.graphics.Color)	4285647785 (0xFF71CBA9)
YUV	172.2140, -1.5845, -51.9307
Hunter-Lab	70.0623, -32.6041, 10.8364

# Details

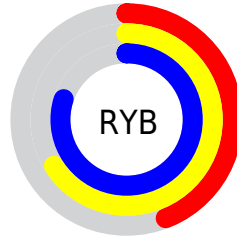
The XYZ color **35.3274, 49.0872, 45.1489** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **35.8018, 26.6145, 30.8557**, and the grayscale version is **39.3454, 41.3944, 45.0785**.

A 20% lighter version of the original color is **65.5767, 85.3368, 83.5364**, and **15.4881, 23.3340, 20.5172** is the 20% darker color. If you saturate the color by 10%, you get **32.3033, 47.6103, 41.3591**, and if you desaturate by 10%, it is **38.9806, 50.8861, 49.1907**.

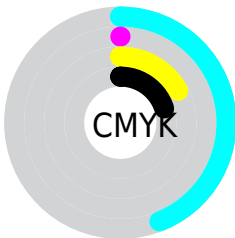
# Distribution



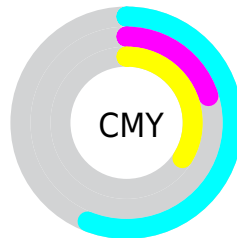
- Red (44%)
- Green (80%)
- Blue (66%)



- Red (44%)
- Yellow (66%)
- Blue (80%)



- Cyan (44%)
- Magenta (0%)
- Yellow (17%)
- Black (20%)




- Cyan (56%)
- Magenta (20%)
- Yellow (34%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.3274, 49.0872, 45.1489 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 35.3274, 49.0872, 45.1489 by changing the saturation by 10% instead.





 35.3274, 49.0872,  
45.1489


 35.3274, 49.0872,  
45.1489


317.4939,  
383.0855, 383.5540


 24.0829, 34.6887,  
31.2309


 67.3233, 88.8210,  
84.2646

 15.5202, 23.4231,  
20.5148

 88.8055, 114.9249,  
110.2994

 9.2740, 14.9063,  
12.5820


 114.4308,  
145.6996, 141.2103

 4.9788, 8.7536,  
7.0140

144.5648,  
181.5292, 177.4157

 2.2695, 4.5808,  
3.3923

179.5728,  
222.7982, 219.3343

 0.7790, 2.0035,  
1.2983

219.8200,

 0.0000, 0.6095,

269.8910, 267.3845

0.0604

265.6719,  
323.1919, 321.9849

■ 0.0000, 0.0000,  
0.0000

■ 35.3274, 49.0872,  
45.1489

■ 35.3274, 49.0872,  
45.1489

■ 32.3033, 47.6103,  
41.3591

■ 38.9806, 50.8861,  
49.1907

■ 29.8640, 46.4288,  
37.8124

■ 43.2953, 53.0198,  
53.4866

■ 27.9660, 45.5216,  
34.5040


■ 48.3064, 55.5075,  
58.0429


■ 26.5573, 44.8620,  
31.4274

■ 54.0452, 58.3651,  
62.8643

■ 25.5749, 44.4176,  
28.5757


■ 60.5409, 61.6079,  
67.9558

 25.1428, 44.2281,  
27.0553

 67.8213, 65.2498,  
73.3220

 75.8740, 69.2846,  
78.9655

 76.9300, 69.7069,  
84.5260

 78.0333, 70.1483,  
90.3363

# Harmonies

## Analogous

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



38.0456, 49.0872, 31.9001



35.3274, 49.0872, 45.1489



35.4350, 49.0872, 64.2563

# Triad

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



35.3274, 49.0872, 45.1489



50.2914, 49.0872, 96.8269



56.0757, 49.0872, 31.1879

# Complementary

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



35.3274, 49.0872, 45.1489



35.8018, 26.6145, 30.8557

# 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.



60.0260, 49.0872, 43.9245



35.3274, 49.0872, 45.1489



56.4762, 49.0872, 83.0056

# Square

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



35.3274, 49.0872, 45.1489



43.6603, 49.0872, 97.3786



60.1792, 49.0872, 62.7056



49.7855, 49.0872, 25.2309



# Rectangle

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



35.3274, 49.0872, 45.1489



37.0849, 49.0872, 78.0276



60.1792, 49.0872, 62.7056



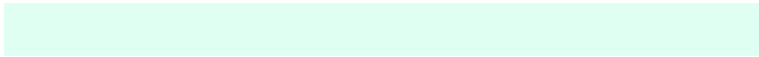
57.7464, 49.0872, 34.6619

# Sweetspot

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



35.3288, 49.0892, 45.1500



81.9369, 93.4654, 98.1019



36.4606, 50.1556, 23.3827



17.1072, 19.7913, 20.6219



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

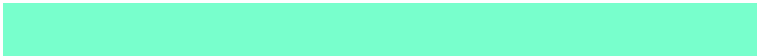


# Same Dimension

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



35.3288, 49.0892, 45.1500



54.3769, 79.8591, 69.6379



36.5507, 45.7437, 63.4053



11.3566, 12.6524, 13.4352



16.0455, 28.1635, 17.4567



0.8639, 1.4674, 1.0909



# Inverse Universe

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



35.8018, 26.6145, 30.8557



55.2805, 37.5937, 42.8254



34.7558, 28.1802, 19.2309



11.3847, 11.2826, 12.5606



16.5601, 8.4346, 5.4023

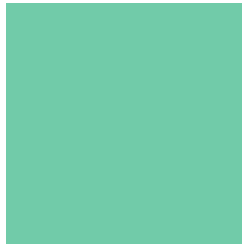


0.8909, 0.4498, 0.4715



# Previews

## White Background



This preview shows how the XYZ color 35.3274, 49.0872, 45.1489 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 35.3274, 49.0872, 45.1489 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

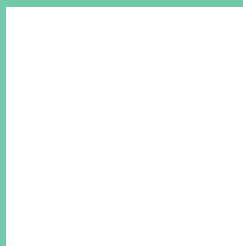
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 35.3274, 49.0872, 45.1489**

## **Background**



This preview shows how black text looks on a background with the XYZ color 35.3274, 49.0872, 45.1489.



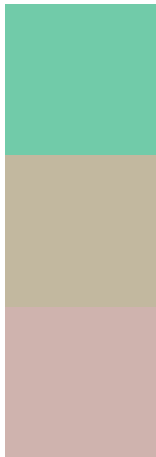
This preview shows how white text looks on a background with the XYZ color 35.3274, 49.0872,



# 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

35.3274, 49.0872, 45.1489

### Protanopia

45.6466, 48.2535, 39.7089

### Deuteranopia

49.4922, 48.5616, 46.8092



## Tritanopia

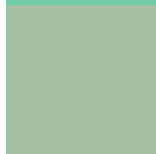
40.2887, 49.0217, 70.2895

# Trichromacy



## Original Color

35.3274, 49.0872, 45.1489



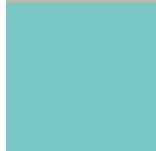
## Protanomaly

40.7587, 47.9053, 41.7488



## Deuteranomaly

42.6632, 47.8292, 46.0131



## Tritanomaly

38.2472, 48.8711, 60.2406

# Monochromacy



## Original Color

35.3274, 49.0872, 45.1489



## Achromatopsia

39.2122, 41.2543, 44.9259



## Achromatomaly

37.0467, 43.3866, 44.9500

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.3274, 49.0872, 45.1489 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(113, 203, 169)` looks like.

```
.text, #text, p{  
    color:rgb(113, 203, 169)  
}
```

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(113, 203, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 203, 169) }
```

## Border

The CSS property to change the border of an element to XYZ 35.3274, 49.0872, 45.1489 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(113, 203, 169) }
```



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

```
.border{ border-color:rgb(113, 203, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 203, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 203, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 203, 169);  
box-shadow:4px 4px 4px 4px rgb(113, 203,  
169) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.3274, 49.0872, 45.1489 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 203, 169) }
```

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

```
.background{ background-color: rgb(113,  
203, 169) }
```

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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