

# Converting Colors

Decimal(5099174)

Have a look what the booklet for  
Decimal(5099174) contains.

<b>Decimal(5099174)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# **Color**

**Decimal(5099174)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4DCEA6
RGB	77, 206, 166
RGB Percent	30%, 81%, 65%
CMY	0.6980, 0.1922, 0.3490
CMYK	0.63, 0.00, 0.19, 0.19
HSL	161°, 57%, 55%
HSV	161°, 63%, 81%
XYZ	32.0148, 48.4736, 43.7454
YIQ	162.8690, -64.0440, -39.7880

# Conversions

## Conversions Part 2

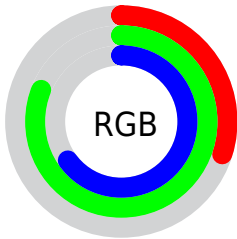
<b>Format</b>	<b>Color</b>
<b>RYB</b>	77, 153, 206
Decimal	5099174
CIELab	75.12, -44.88, 9.53
CIElCh	75, 45.882, 168.011
Yxy	48.4736, 0.2577, 0.3902
Android (android.graphics.Color)	4283289254 (0xFF4DCEA6)
YUV	162.8690, 1.5436, -75.3071
Hunter-Lab	69.6230, -39.7603, 11.4831

# Details

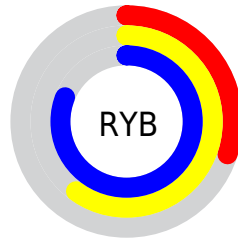
The Decimal color **5099174** is a dark color, and the websafe version is hex **66CC99**. The color can be described as middle muted spring green. A complement of this color would be **13520245**, and the grayscale version is **10724259**.

A 20% lighter version of the original color is **9109469**, and **38770** is the 20% darker color. If you saturate the color by 10%, you get **3722912**, and if you desaturate by 10%, it is **6475436**.

# Distribution



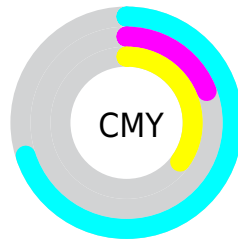
- Red (30%)
- Green (81%)
- Blue (65%)



- Red (30%)
- Yellow (60%)
- Blue (81%)



- Cyan (63%)
- Magenta (0%)
- Yellow (19%)
- Black (19%)



- Cyan (70%)
- Magenta (19%)
- Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the Decimal color 5099174 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 Decimal color 5099174 by changing the saturation by 10% instead.



■ 5099174

■ 5099174

16777215

■ 2667148

■ 9109469

■ 38770

■ 11075578

■ 31834

■ 12976127

■ 25410

■ 14942207

■ 18988

■ 12823

■ 6656

■ 0

■ 5099174

■ 5099174

■ 3722912

■ 6475436

■ 2412185

■ 7786163

■ 1035923

■ 9162425

■ 52878

■ 10473152

■ 11849414

■ 13225676

■ 14536403

■ 15912665

■ 16764639

# Harmonies

## Analogous

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



9095295



5099174



53202

# Triad

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



5099174



10728703



16753276

# Complementary

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



5099174



13520245

# 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.



16750753



5099174



14525682

# Square

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



5099174



5358335



16751052



14856550

# Rectangle

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



5099174



52716



16751052



16752263

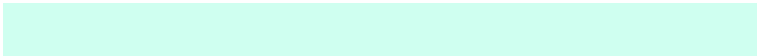


# Sweetspot

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



5099174



13631472



7786061



6455414



0



8421504



# Same Dimension

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



5099174



4259780



5093070



6055523



42610



9754



# Inverse Universe

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



13520245



16728187



13526349



6708319



10879027

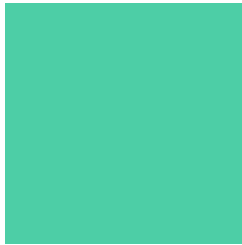


2490380



# Previews

## White Background



This preview shows how the Decimal color 5099174 looks on a white background.

## Color Contrast Check

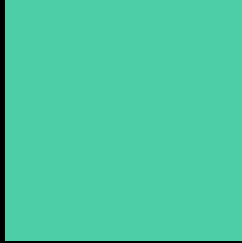
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the Decimal color 5099174 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

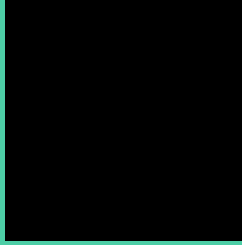
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

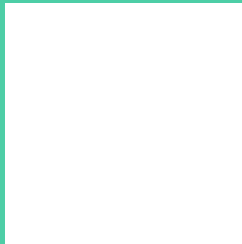
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Decimal 5099174 Background



This preview shows how black text looks on a background with the Decimal color 5099174.



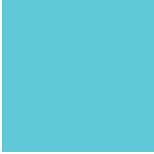
This preview shows how white text looks on a background with the Decimal color 5099174.

# 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





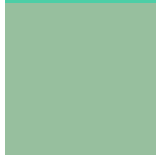
**Tritanopia**  
6342615

# Trichromacy



**Original Color**

5099174



**Protanomaly**

9944990



**Deuteranomaly**

10402986



**Tritanomaly**

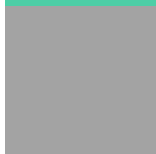
5884613

# Monochromacy



**Original Color**

5099174



**Achromatopsia**

10724259



**Achromatomaly**

8696740

# CSS Examples

## Text

The CSS property to change the color of the text to Decimal 5099174 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 #4DCEA6 looks like.

```
.text, #text, p{  
    color:#4DCEA6  
}
```

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 #4DCEA6 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #4DCEA6  
}
```

## Border

The CSS property to change the border of an element to Decimal 5099174 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  
#4DCEA6 }
```

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

```
.border{ border-color:#4DCEA6 }
```

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

Here you see how a box with a 4 pixel #4DCEA6 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #4DCEA6; -webkit-box-shadow:4px 4px  
4px 4px #4DCEA6; box-shadow:4px 4px 4px  
4px #4DCEA6 }
```

# Background

The CSS property to change the background color of an element to Decimal 5099174 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#4DCEA6 }
```

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

```
.background{ background-color:#4DCEA6 }
```

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