

# Converting Colors

Hex(48B584)

Have a look what the booklet for  
Hex(48B584) contains.

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# **Color**

**Hex(48B584)**

# Conversions

## Conversions Part 1

Format	Color
Hex	48B584
RGB	72, 181, 132
RGB Percent	28%, 71%, 52%
CMY	0.7176, 0.2902, 0.4824
CMYK	0.60, 0.00, 0.27, 0.29
HSL	153°, 43%, 50%
HSV	153°, 60%, 71%
XYZ	23.3612, 36.0914, 27.5649
YIQ	142.8230, -49.2350, -38.3470

# Conversions

## Conversions Part 2

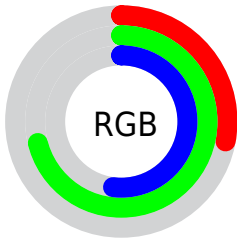
Format	Color
<a href="#">RYB</a>	<a href="#">72, 142, 181</a>
Decimal	<a href="#">4765060</a>
CIELab	<a href="#">66.59, -42.79, 15.88</a>
CIElCh	<a href="#">67, 45.640, 159.645</a>
Yxy	<a href="#">36.0914, 0.2685, 0.4148</a>
Android (android.graphics.Color)	<a href="#">4282955140 (0xFF48B584)</a>
YUV	<a href="#">142.8230, -5.3357, -62.1118</a>
Hunter-Lab	<a href="#">60.0761, -35.7217, 14.8491</a>

# Details

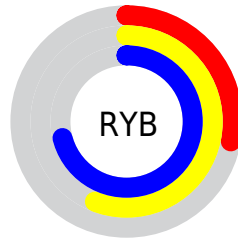
The Hex color **48B584** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **B54879**, and the grayscale version is **8F8F8F**.

A 20% lighter version of the original color is **82EEB9**, and **007F52** is the 20% darker color. If you saturate the color by 10%, you get **36B57C**, and if you desaturate by 10%, it is **5AB58C**.

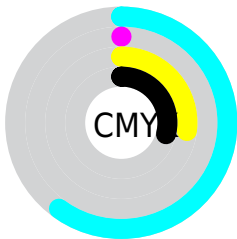
# Distribution



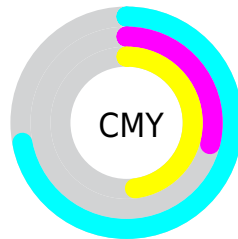
- Red (28%)
- Green (71%)
- Blue (52%)



- Red (28%)
- Yellow (56%)
- Blue (71%)



- Cyan (60%)
- Magenta (0%)
- Yellow (27%)
- Black (29%)



- Cyan (72%)
- Magenta (29%)
- Yellow (48%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 48B584 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 Hex color 48B584 by changing the saturation by 10% instead.





48B584



48B584

FFFFFF



279A6B



82EEB9



007F52



9FFFD5



00653B



BCFFF1



004D25



D9FFFF



003510



F7FFFF



001F00



000000



48B584



48B584



36B57C



5AB58C

 24B574

 6CB594

 12B56C

 7EB59C

 00B564

 90B5A5

 A3B5AD

 B5B5B5

 C7B5BD

 D9B5C5

 EBB5CD

# Harmonies

## Analogous

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



82AF61



48B584



00B7AE

# Triad

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



48B584



77A2F3



EA8870

# Complementary

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



48B584



B54879

# 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.



F08096



48B584



B792E1

# Square

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



48B584



00AEEE



DF84BF



D29655

# Rectangle

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



48B584



00B6C9



DF84BF



EE847C



# Sweetspot

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



48B584



C0EBD8



79B548



5B756A



F5F5F5



757575



# Same Dimension

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



48B584



42EB9F



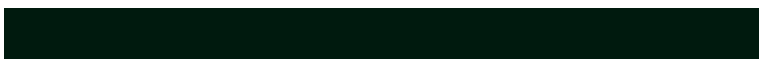
48B0B5



505955



009954



001A0E



# Inverse Universe

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



B54879



EB428E



B54D48



595054



990045

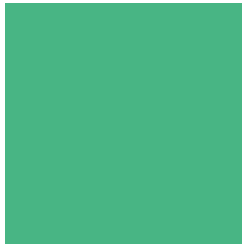


1A000B



# Previews

## White Background



This preview shows how the Hex color 48B584 looks on a white background.

## Color Contrast Check

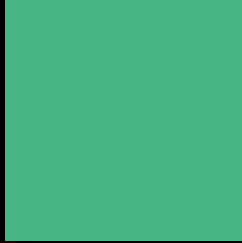
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the Hex color 48B584 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

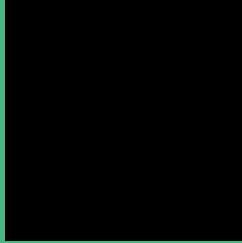
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 48B584 Background



This preview shows how black text looks on a background with the Hex color 48B584.

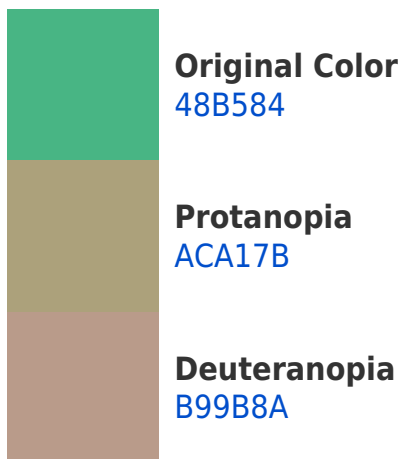


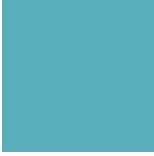
This preview shows how white text looks on a background with the Hex color 48B584.

# 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





# Trichromacy



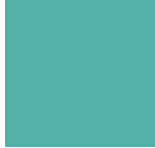
**Original Color**  
48B584



**Protanomaly**  
88A87E



**Deuteranomaly**  
90A488



**Tritanomaly**  
53B1A8

# Monochromacy



**Original Color**  
48B584



**Achromatopsia**  
8F8F8F



**Achromatomaly**  
759D8B

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 48B584 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 #48B584 looks like.

```
.text, #text, p{  
    color:#48B584  
}
```

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 #48B584 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #48B584
}
```

## Border

The CSS property to change the border of an element to Hex 48B584 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
#48B584 }
```

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

```
.border{ border-color:#48B584 }
```

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

Here you see how a box with a 4 pixel #48B584 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #48B584; -webkit-box-shadow:4px 4px  
4px 4px #48B584; box-shadow:4px 4px 4px  
4px #48B584 }
```

# Background

The CSS property to change the background color of an element to Hex 48B584 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#48B584 }
```

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

```
.background{ background-color:#48B584 }
```

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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