

# Converting Colors

Hex(45ABBA)

Have a look what the booklet for  
Hex(45ABBA) contains.

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# Color

**Hex(45ABBA)**

# Conversions

## Conversions Part 1

Format	Color
Hex	45ABBA
RGB	69, 171, 186
RGB Percent	27%, 67%, 73%
CMY	0.7294, 0.3294, 0.2706
CMYK	0.63, 0.08, 0.00, 0.27
HSL	188°, 46%, 50%
HSV	188°, 63%, 73%
XYZ	25.8801, 33.9362, 51.6407
YIQ	142.2120, -65.6070, -16.9590

# Conversions

## Conversions Part 2

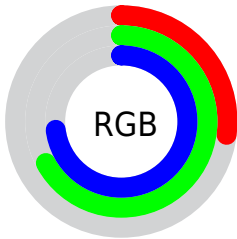
<b>Format</b>	<b>Color</b>
<b>RYB</b>	69, 123, 186
Decimal	4565946
CIELab	64.91, -24.68, -16.47
CIElCh	65, 29.672, 213.708
Yxy	33.9362, 0.2322, 0.3045
Android (android.graphics.Color)	4282756026 (0xFF45ABBA)
YUV	142.2120, 21.5875, -64.2069
Hunter-Lab	58.2548, -22.6460, -11.7800

# Details

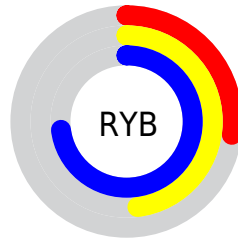
The Hex color **45ABBA** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **BA5445**, and the grayscale version is **8E8E8E**.

A 20% lighter version of the original color is **81E3F2**, and **007685** is the 20% darker color. If you saturate the color by 10%, you get **32A9BA**, and if you desaturate by 10%, it is **58ADBA**.

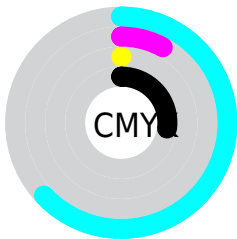
# Distribution



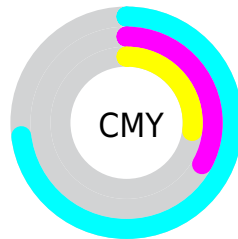
- Red (27%)
- Green (67%)
- Blue (73%)



- Red (27%)
- Yellow (48%)
- Blue (73%)



- Cyan (63%)
- Magenta (8%)
- Yellow (0%)
- Black (27%)



- Cyan (73%)
- Magenta (33%)
- Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 45ABBA 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 45ABBA by changing the saturation by 10% instead.



 45ABBA

 45ABBA

FFFFFF

 20909F

 81E3F2

 007685

 9FFFFFF

 005D6C

 BCFFFF

 004553

 DAFFFF

 002F3C

 F8FFFF

 001B26

 000111

 000000

 45ABBA

 45ABBA

■ 32A9BA

■ 58ADBA

■ 20A6BA

■ 6AB0BA

■ 0DA4BA

■ 7DB2BA

■ 00A2BA

■ 8FB5BA

■ A2B7BA

■ B5B9BA

■ C7BCBA

■ DABEBA

■ ECC0BA

# Harmonies

## Analogous

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



53ACA0



45ABBA



59A7CC

# Triad

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



45ABBA



C28DB5



AD9D68

# Complementary

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



45ABBA



BA5445

# 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.



C3946F



45ABBA



D18A9B

# Square

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



45ABBA



A595CA



D18C81



90A571

# Rectangle

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



45ABBA



72A2D2



D18C81



B59A69



# Sweetspot

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



45ABBA



C4ECF2



45BA53



5E777A



FAFAFA



7A7A7A



# Same Dimension

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



45ABBA



3DDBF2



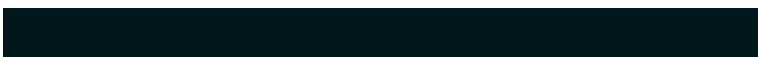
4572BA



535B5C



00889C



00181C



# Inverse Universe

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



BA45AB



F23DDB



BA8D45



5C535B



9C0088



1C0018



# Previews

## White Background



This preview shows how the Hex color 45ABBA looks on a white background.

## Color Contrast Check

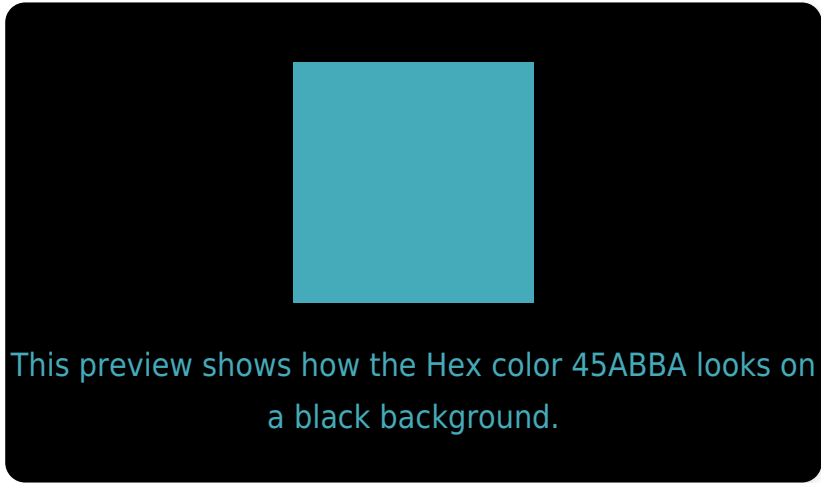
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

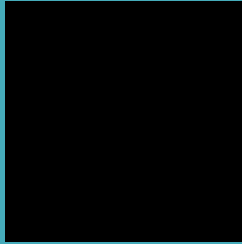
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 45ABBA Background



This preview shows how black text looks on a background with the Hex color 45ABBA.

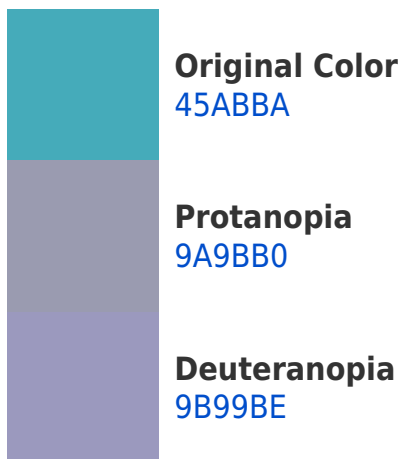


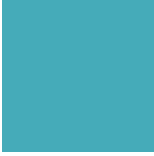
This preview shows how white text looks on a background with the Hex color 45ABBA.

# 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](#).

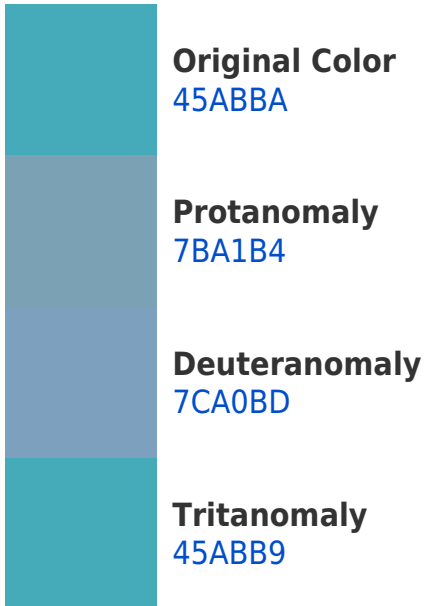
## Dichromacy





**Tritanopia**  
45ABB9

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 45ABBA 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 #45ABBA looks like.

```
.text, #text, p{  
    color:#45ABBA  
}
```

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 #45ABBA colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #45ABBA
}
```

## Border

The CSS property to change the border of an element to Hex 45ABBA 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
#45ABBA }
```

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

```
.border{ border-color:#45ABBA }
```

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

Here you see how a box with a 4 pixel #45ABBA colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #45ABBA; -webkit-box-shadow:4px 4px  
4px 4px #45ABBA; box-shadow:4px 4px 4px  
4px #45ABBA }
```

# Background

The CSS property to change the background color of an element to Hex 45ABBA is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#45ABBA }
```

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

```
.background{ background-color:#45ABBA }
```

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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