

Converting Colors

Hex(46D5BA)

Have a look what the booklet for
Hex(46D5BA) contains.

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Color

Hex(46D5BA)

Conversions

Conversions Part 1

Format	Color
Hex	46D5BA
RGB	70, 213, 186
RGB Percent	27%, 84%, 73%
CMY	0.7255, 0.1647, 0.2706
CMYK	0.67, 0.00, 0.13, 0.16
HSL	169°, 63%, 55%
HSV	169°, 67%, 84%
XYZ	35.1830, 52.4358, 54.7212
YIQ	167.1650, -76.5610, -38.7130

Conversions

Conversions Part 2

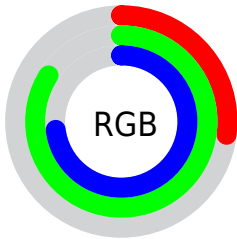
Format	Color
RYB	70, 149, 213
Decimal	4642234
CIELab	77.54, -44.19, 2.27
CIELCh	78, 44.245, 177.065
Yxy	52.4358, 0.2472, 0.3684
Android (android.graphics.Color)	4282832314 (0xFF46D5BA)
YUV	167.1650, 9.2857, -85.2137
Hunter-Lab	72.4125, -39.9944, 5.8841

Details

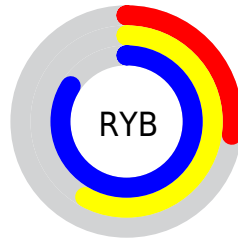
The Hex color **46D5BA** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **D54661**, and the grayscale version is **A7A7A7**.

A 20% lighter version of the original color is **87FFF2**, and **009D85** is the 20% darker color. If you saturate the color by 10%, you get **31D5B6**, and if you desaturate by 10%, it is **5BD5BE**.

Distribution



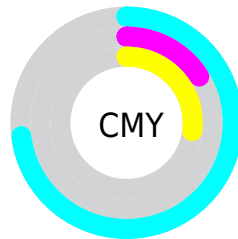
- Red (27%)
- Green (84%)
- Blue (73%)



- Red (27%)
- Yellow (58%)
- Blue (84%)



- Cyan (67%)
- Magenta (0%)
- Yellow (13%)
- Black (16%)



- Cyan (73%)
- Magenta (16%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Hex color 46D5BA 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 46D5BA by changing the saturation by 10% instead.

 46D5BA

 46D5BA

FFFFFF

 18B99F

 87FFF2

 009D85

 A5FFFF

 00836C

 C3FFFF

 006954

 E2FFFF

 00503D

 003827

 002212

 000000

 46D5BA

 46D5BA

 31D5B6

 5BD5BE

 1BD5B2

 71D5C2

 06D5AE

 86D5C6

 00D5AD

 9BD5CA

 B1D5CE

 C6D5D2

 DBD5D6

 F0D5DA

 FFD5DE

Harmonies

Analogous

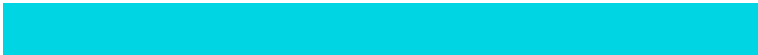
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83D192



46D5BA



00D5E4

Triad

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



46D5BA



BEB6FF



FDAD7C

Complementary

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



46D5BA



D54661

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.



FFA29C



46D5BA



EFA8ED

Square

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



46D5BA



7AC5FF



FF9FC5



DEBC6D

Rectangle

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



46D5BA



00D2FA



FF9FC5



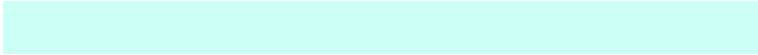
FFA985

Sweetspot

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



46D5BA



CCFFF5



63D546



61807A



000000



808080

Same Dimension

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



46D5BA



30FFD8



46AAD5



606B69



00AB8B



002B23

Inverse Universe

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



D54661



FF3057



D57146



6B6062



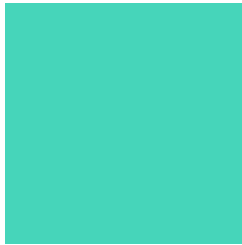
AB0020



2B0008

Previews

White Background



This preview shows how the Hex color 46D5BA looks on a white background.

Color Contrast Check

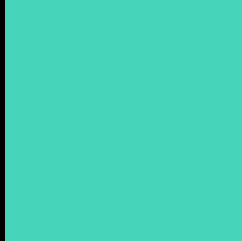
Large Text (above 18pt) WCAG AA × Fail

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 46D5BA 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 46D5BA Background



This preview shows how black text looks on a background with the Hex color 46D5BA.

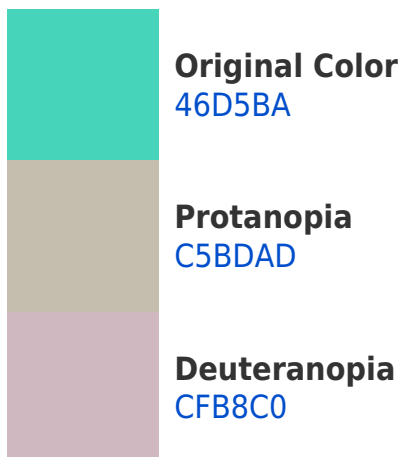


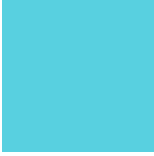
This preview shows how white text looks on a background with the Hex color 46D5BA.

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
58D0E0

Trichromacy



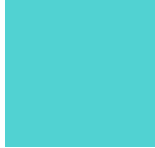
Original Color
46D5BA



Protanomaly
97C6B2



Deuteranomaly
9DC3BE

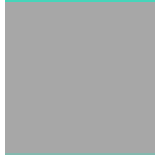


Tritanomaly
51D2D2

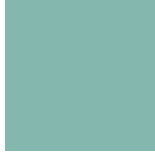
Monochromacy



Original Color
46D5BA



Achromatopsia
A7A7A7



Achromatomaly
84B8AE

CSS Examples

Text

The CSS property to change the color of the text to Hex 46D5BA 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 #46D5BA looks like.

```
.text, #text, p{  
    color:#46D5BA  
}
```

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 #46D5BA colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #46D5BA
}
```

Border

The CSS property to change the border of an element to Hex 46D5BA 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
#46D5BA }
```

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

```
.border{ border-color:#46D5BA }
```

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

Here you see how a box with a 4 pixel #46D5BA colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #46D5BA; -webkit-box-shadow:4px 4px  
4px 4px #46D5BA; box-shadow:4px 4px 4px  
4px #46D5BA }
```

Background

The CSS property to change the background color of an element to Hex 46D5BA is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#46D5BA }
```

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

```
.background{ background-color:#46D5BA }
```

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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