

Converting Colors

Hex(46D1B5)

Have a look what the booklet for
Hex(46D1B5) contains.

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Color

Hex(46D1B5)

Conversions

Conversions Part 1

Format	Color
Hex	46D1B5
RGB	70, 209, 181
RGB Percent	27%, 82%, 71%
CMY	0.7255, 0.1804, 0.2902
CMYK	0.67, 0.00, 0.13, 0.18
HSL	168°, 60%, 55%
HSV	168°, 67%, 82%
XYZ	33.6667, 50.2392, 51.6388
YIQ	164.2470, -73.8560, -38.1760

Conversions

Conversions Part 2

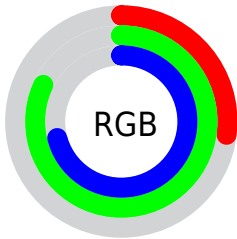
Format	Color
RYB	70, 147, 209
Decimal	4641205
CIELab	76.22, -43.71, 3.02
CIELCh	76, 43.814, 176.041
Yxy	50.2392, 0.2484, 0.3706
Android (android.graphics.Color)	4282831285 (0xFF46D1B5)
YUV	164.2470, 8.2592, -82.6546
Hunter-Lab	70.8796, -39.2546, 6.4205

Details

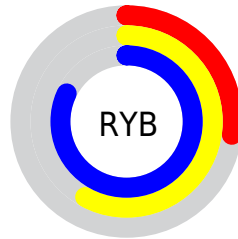
The Hex color **46D1B5** is a light color, and the websafe version is hex **66CC99**. The color can be described as light muted spring green. A complement of this color would be **D14662**, and the grayscale version is **A4A4A4**.

A 20% lighter version of the original color is **86FFED**, and **009A80** is the 20% darker color. If you saturate the color by 10%, you get **31D1B1**, and if you desaturate by 10%, it is **5BD1B9**.

Distribution



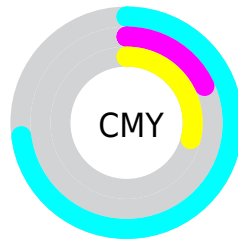
- Red (27%)
- Green (82%)
- Blue (71%)



- Red (27%)
- Yellow (58%)
- Blue (82%)



- Cyan (67%)
- Magenta (0%)
- Yellow (13%)
- Black (18%)



- Cyan (73%)
- Magenta (18%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Hex color 46D1B5 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 46D1B5 by changing the saturation by 10% instead.

 46D1B5

 46D1B5

FFFFFF

 1AB59A

 86FFED

 009A80

 A4FFFF

 007F67

 C2FFFF

 00654F

 E1FFFF

 004C38

 003423

 001E0E

 000000

 46D1B5

 46D1B5

■ 31D1B1

■ 5BD1B9

■ 1CD1AD

■ 70D1BD

■ 07D1A8

■ 85D1C2

■ 00D1A7

■ 9AD1C6

■ AFD1CA

■ C3D1CE

■ D8D1D2

■ EDD1D7

■ FFD1DB

Harmonies

Analogous

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



82CD8D



46D1B5



00D1DE

Triad

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



46D1B5



B8B3FF



FAA97A

Complementary

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



46D1B5



D14662

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.



FF9E9B



46D1B5



EAA5EA

Square

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



46D1B5



74C2FF



FF9CC3



DBB86A

Rectangle

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



46D1B5



00CEF5



FF9CC3



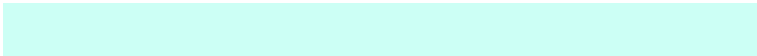
FFA583

Sweetspot

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



46D1B5



CCFFF5



64D146



618079



000000



808080

Same Dimension

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



46D1B5



33FFD6



46AAD1



5E6966



00A886



002921

Inverse Universe

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



D14662



FF335C



D16D46



695E60



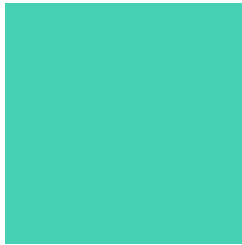
A80022



290008

Previews

White Background



This preview shows how the Hex color 46D1B5 looks on a white background.

Color Contrast Check

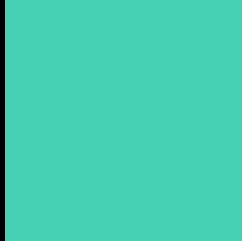
Large Text (above 18pt) WCAG AA × Fail

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 46D1B5 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

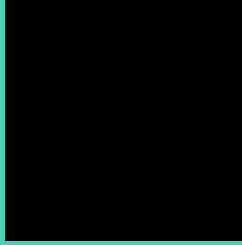
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

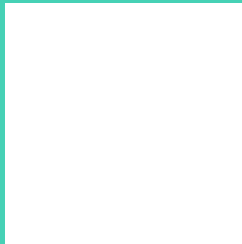
Any Text WCAG AAA ✓ Pass

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

Hex 46D1B5 Background



This preview shows how black text looks on a background with the Hex color 46D1B5.

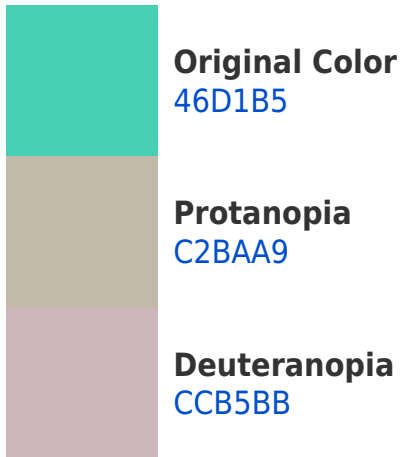


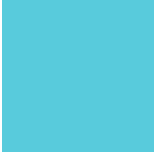
This preview shows how white text looks on a background with the Hex color 46D1B5.

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

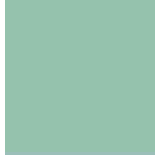




Trichromacy



Original Color
46D1B5



Protanomaly
95C2AD



Deuteranomaly
9BBFB9

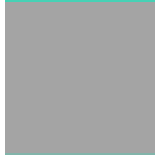


Tritanomaly
51CDCE

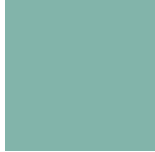
Monochromacy



Original Color
46D1B5



Achromatopsia
A4A4A4



Achromatomaly
82B4AA

CSS Examples

Text

The CSS property to change the color of the text to Hex 46D1B5 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 #46D1B5 looks like.

```
.text, #text, p{  
    color:#46D1B5  
}
```

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 #46D1B5 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #46D1B5
}
```

Border

The CSS property to change the border of an element to Hex 46D1B5 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
#46D1B5 }
```

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

```
.border{ border-color:#46D1B5 }
```

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

Here you see how a box with a 4 pixel #46D1B5 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #46D1B5; -webkit-box-shadow:4px 4px  
4px 4px #46D1B5; box-shadow:4px 4px 4px  
4px #46D1B5 }
```

Background

The CSS property to change the background color of an element to Hex 46D1B5 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#46D1B5 }
```

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

```
.background{ background-color:#46D1B5 }
```

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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