

# Converting Colors

Hex(5AF0D8)

Have a look what the booklet for  
Hex(5AF0D8) contains.

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**Color**

**Hex(5AF0D8)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5AF0D8
RGB	90, 240, 216
RGB Percent	35%, 94%, 85%
CMY	0.6471, 0.0588, 0.1529
CMYK	0.62, 0.00, 0.10, 0.06
HSL	170°, 83%, 65%
HSV	170°, 62%, 94%
XYZ	47.7712, 69.4517, 75.8535
YIQ	192.4140, -81.6960, -39.2640

# Conversions

## Conversions Part 2

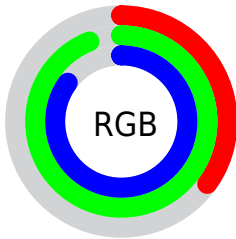
Format	Color
<a href="#">RYB</a>	<a href="#">90, 172, 240</a>
Decimal	<a href="#">5959896</a>
CIELab	<a href="#">86.73, -45.25, -0.18</a>
CIElCh	<a href="#">87, 45.252, 180.229</a>
Yxy	<a href="#">69.4517, 0.2474, 0.3597</a>
Android (android.graphics.Color)	<a href="#">4284149976</a> ( <a href="#">0xFF5AF0D8</a> )
YUV	<a href="#">192.4140, 11.6279, -89.8171</a>
Hunter-Lab	<a href="#">83.3377, -43.5204, 4.3710</a>

# Details

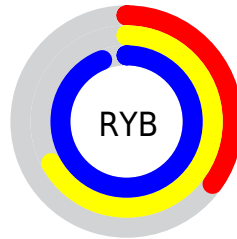
The Hex color **5AF0D8** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **F05A72**, and the grayscale version is **C0C0C0**.

A 20% lighter version of the original color is **9AFFFF**, and **00B7A1** is the 20% darker color. If you saturate the color by 10%, you get **42F0D4**, and if you desaturate by 10%, it is **72F0DC**.

# Distribution



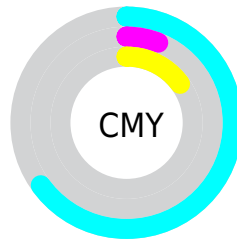
- Red (35%)
- Green (94%)
- Blue (85%)



- Red (35%)
- Yellow (67%)
- Blue (94%)



- Cyan (62%)
- Magenta (0%)
- Yellow (10%)
- Black (6%)



- Cyan (65%)
- Magenta (6%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 5AF0D8 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 5AF0D8 by changing the saturation by 10% instead.



 5AF0D8

 5AF0D8

FFFFFF

 33D3BC

 9AFFFF

 00B7A1

 B9FFFF

 009C87

 D8FFFF

 00816E

 F7FFFF

 006756

 004E3E

 003629

 002014

 000000

 5AF0D8

 5AF0D8

 42F0D4

 72F0DC

 2AF0D0

 8AF0E0

 12F0CC

 A2F0E4

 00F0CA

 BAF0E7

 D2F0EB

 EAF0EF

 FFF0F3

 FFF0F7

 FFF0FB

# Harmonies

## Analogous

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



95ECAD



5AF0D8



1CEFFF

# Triad

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



5AF0D8



DECEFF



FFC890

# Complementary

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



5AF0D8



F05A72

# 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.



FFBBB0



5AF0D8



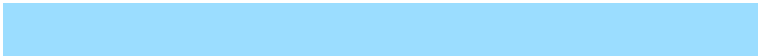
FFBFFF

# Square

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



5AF0D8



9BDDFF



FFB8DA



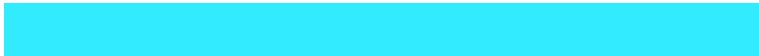
F5D782

# Rectangle

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



5AF0D8



33EBFF



FFB8DA



FFC399



# Sweetspot

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



5AF0D8



CFFFF7



73F05A



62807B



000000



808080



# Same Dimension

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



5AF0D8



40FFE0



5ABEF0



6C7876



00B89A



00382F



# Inverse Universe

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



F05A72



FF405E



F08C5A



786C6E



B8001D

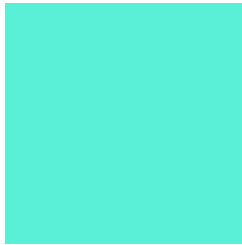


380009



# Previews

## White Background



This preview shows how the Hex color 5AF0D8 looks on a white background.

## Color Contrast Check

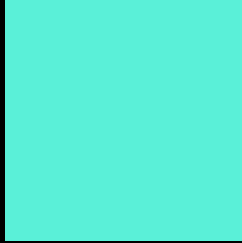
Large Text (above 18pt) WCAG AA × Fail

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 5AF0D8 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

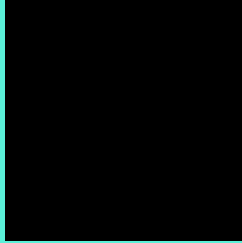
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

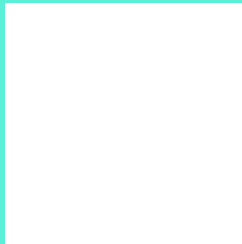
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 5AF0D8 Background



This preview shows how black text looks on a background with the Hex color 5AF0D8.

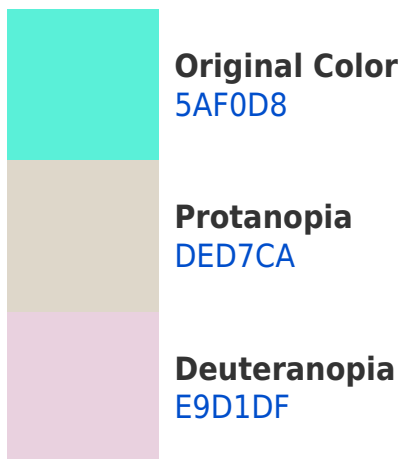


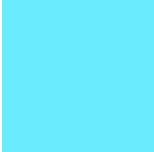
This preview shows how white text looks on a background with the Hex color 5AF0D8.

# 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



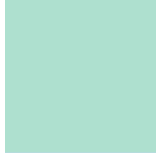


**Tritanopia**  
6AEBFE

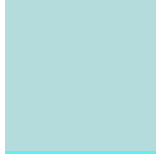
# Trichromacy



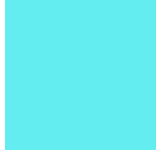
**Original Color**  
5AF0D8



**Protanomaly**  
AEE0CF

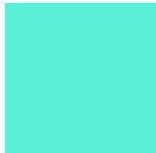


**Deuteranomaly**  
B5DCDC

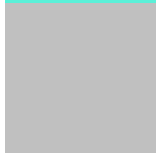


**Tritanomaly**  
64EDF0

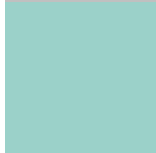
# Monochromacy



**Original Color**  
5AF0D8



**Achromatopsia**  
C0C0C0



**Achromatomaly**  
9BD1C9

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 5AF0D8 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 #5AF0D8 looks like.

```
.text, #text, p{  
    color:#5AF0D8  
}
```

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 #5AF0D8 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #5AF0D8  
}
```

## Border

The CSS property to change the border of an element to Hex 5AF0D8 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  
#5AF0D8 }
```

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

```
.border{ border-color:#5AF0D8 }
```

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

Here you see how a box with a 4 pixel #5AF0D8 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #5AF0D8; -webkit-box-shadow:4px 4px  
4px 4px #5AF0D8; box-shadow:4px 4px 4px  
4px #5AF0D8 }
```

# Background

The CSS property to change the background color of an element to Hex 5AF0D8 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#5AF0D8 }
```

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

```
.background{ background-color:#5AF0D8 }
```

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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