

# Converting Colors

Hex(65DD91)

Have a look what the booklet for  
Hex(65DD91) contains.

<b>Hex(65DD91)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

**Color**

**Hex(65DD91)**

# Conversions

## Conversions Part 1

Format	Color
Hex	65DD91
RGB	101, 221, 145
RGB Percent	40%, 87%, 57%
CMY	0.6039, 0.1333, 0.4314
CMYK	0.54, 0.00, 0.34, 0.13
HSL	142°, 64%, 63%
HSV	142°, 54%, 87%
XYZ	36.3341, 56.5239, 35.7833
YIQ	176.4560, -47.1240, -49.0760

# Conversions

## Conversions Part 2

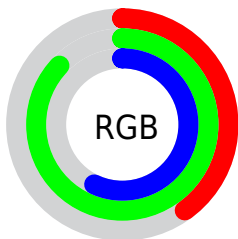
Format	Color
<a href="#">RYB</a>	<a href="#">101, 189, 221</a>
Decimal	<a href="#">6675857</a>
CIELab	<a href="#">79.91, -50.53, 27.35</a>
CIELCh	<a href="#">80, 57.455, 151.579</a>
Yxy	<a href="#">56.5239, 0.2824, 0.4394</a>
Android (android.graphics.Color)	<a href="#">4284865937 (0xFF65DD91)</a>
YUV	<a href="#">176.4560, -15.5078, -66.1749</a>
Hunter-Lab	<a href="#">75.1824, -45.3038, 24.4084</a>

# Details

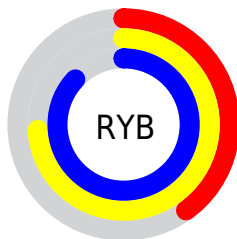
The Hex color **65DD91** is a light color, and the websafe version is hex **33CC99**. A complement of this color would be **DD65B1**, and the grayscale version is **B1B1B1**.

A 20% lighter version of the original color is **A0FFC7**, and **22A55E** is the 20% darker color. If you saturate the color by 10%, you get **4FDD83**, and if you desaturate by 10%, it is **7BDD9F**.

# Distribution



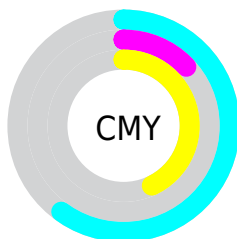
- Red (40%)
- Green (87%)
- Blue (57%)



- Red (40%)
- Yellow (74%)
- Blue (87%)



- Cyan (54%)
- Magenta (0%)
- Yellow (34%)
- Black (13%)



- Cyan (60%)
- Magenta (13%)
- Yellow (43%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 65DD91 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 65DD91 by changing the saturation by 10% instead.



 65DD91

 65DD91

FFFFFF

 46C177

 A0FFC7

 22A55E

 BDFFE4

 008A46

 DBFFFF

 00702E

 F9FFFF

 005617

 003E00

 002800

 000000

 65DD91

 65DD91

 4FDD83

 7BDD9F

 39DD75

 91DDAD

 23DD67

 A7DDBB

 0DDD59

 BDDDC9

 00DD51

 D3DDD7

 EADDE5

 FFDDF3

 FFDDFF

# Harmonies

## Analogous

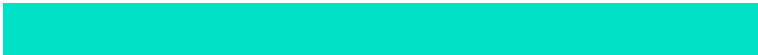
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



ACD367



65DD91



00E1C7

# Triad

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



65DD91



69CBFF



FF9F91

# Complementary

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



65DD91



DD65B1

# 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.



FF98C5



65DD91



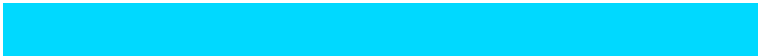
CDB7FF

# Square

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



65DD91



00D9FF



FFA3FA



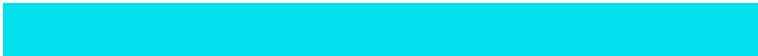
FFB168

# Rectangle

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



65DD91



00E1EC



FFA3FA



FF9BA2

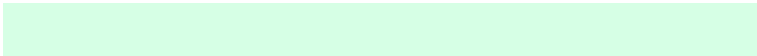


# Sweetspot

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



65DD91



D6FFE5



B1DD65



678070



000000



808080



# Same Dimension

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



65DD91



59FF96



65DDCD



636E67



00AD40



002E11



# Inverse Universe

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



DD65B1



FF59C2



DD6575



6E636A



AD006E

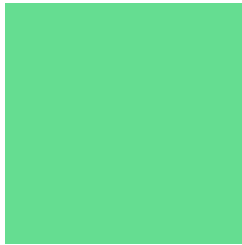


2E001D



# Previews

## White Background



This preview shows how the Hex color 65DD91 looks on a white background.

## Color Contrast Check

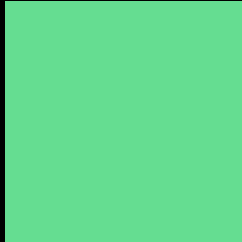
Large Text (above 18pt) WCAG AA × Fail

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 65DD91 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

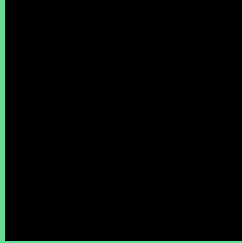
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 65DD91 Background



This preview shows how black text looks on a background with the Hex color 65DD91.

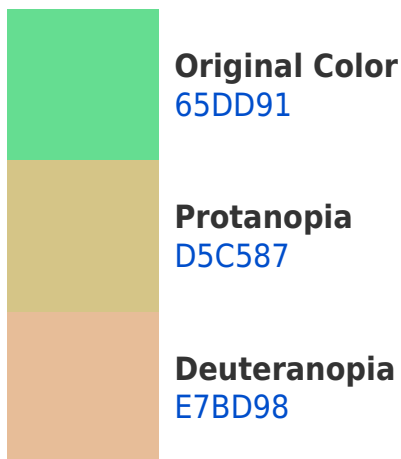


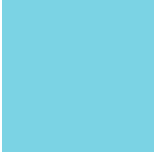
This preview shows how white text looks on a background with the Hex color 65DD91.

# 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**  
7BD3E4

# Trichromacy



**Original Color**  
65DD91



**Protanomaly**  
ACCE8B



**Deuteranomaly**  
B8C995



**Tritanomaly**  
73D7C6

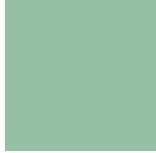
# Monochromacy



**Original Color**  
65DD91



**Achromatopsia**  
B0B0B0



**Achromatomaly**  
95C0A5

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 65DD91 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 #65DD91 looks like.

```
.text, #text, p{  
    color:#65DD91  
}
```

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 #65DD91 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #65DD91
}
```

## Border

The CSS property to change the border of an element to Hex 65DD91 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
#65DD91 }
```

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

```
.border{ border-color:#65DD91 }
```

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

Here you see how a box with a 4 pixel #65DD91 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #65DD91; -webkit-box-shadow:4px 4px  
4px 4px #65DD91; box-shadow:4px 4px 4px  
4px #65DD91 }
```

# Background

The CSS property to change the background color of an element to Hex 65DD91 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#65DD91 }
```

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

```
.background{ background-color:#65DD91 }
```

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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