

Converting Colors

Hex(46E975)

Have a look what the booklet for
Hex(46E975) contains.

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Color

Hex(46E975)

Conversions

Conversions Part 1

Format	Color
Hex	46E975
RGB	70, 233, 117
RGB Percent	27%, 91%, 46%
CMY	0.7255, 0.0863, 0.5412
CMYK	0.70, 0.00, 0.50, 0.09
HSL	137°, 79%, 59%
HSV	137°, 70%, 91%
XYZ	34.8756, 60.8643, 26.7395
YIQ	171.0390, -59.9120, -70.6320

Conversions

Conversions Part 2

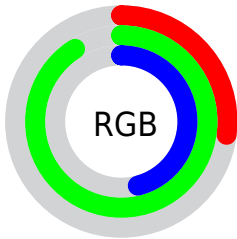
Format	Color
RYB	70, 197, 233
Decimal	4647285
CIELab	82.31, -65.77, 44.25
CIELCh	82, 79.272, 146.071
Yxy	60.8643, 0.2847, 0.4969
Android (android.graphics.Color)	4282837365 (0xFF46E975)
YUV	171.0390, -26.6412, -88.6112
Hunter-Lab	78.0156, -56.7317, 34.2895

Details

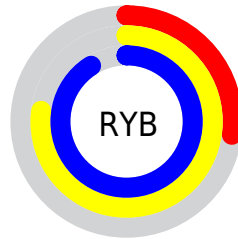
The Hex color **46E975** is a dark color, and the websafe version is hex **66FF99**. The color can be described as middle muted spring green. A complement of this color would be **E946BA**, and the grayscale version is **ABABAB**.

A 20% lighter version of the original color is **89FFAB**, and **00B041** is the 20% darker color. If you saturate the color by 10%, you get **2FE964**, and if you desaturate by 10%, it is **5DE986**.

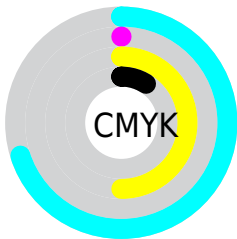
Distribution



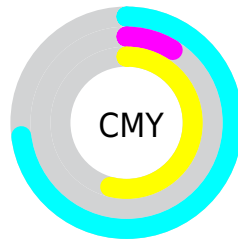
- Red (27%)
- Green (91%)
- Blue (46%)



- Red (27%)
- Yellow (77%)
- Blue (91%)



- Cyan (70%)
- Magenta (0%)
- Yellow (50%)
- Black (9%)



- Cyan (73%)
- Magenta (9%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Hex color 46E975 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 46E975 by changing the saturation by 10% instead.

 46E975

 46E975


FFFFFF

 11CC5B

 89FFAB

 00B041

 A9FFC7

 009427

 C7FFE3

 007908

 E6FFFF

 005F00

 004500

 002E00

 000F00

 000000

 46E975

 46E975

 2FE964

 5DE986

 17E954

 75E996

 00E943

 8CE9A7

 A3E9B7

 BBE9C8

 D2E9D8

 E9E9E9

 FFE9FA

 FFE9FF

Harmonies

Analogous

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



B3DC36



46E975



00EFC0

Triad

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



46E975



00D8FF



FF8C90

Complementary

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



46E975



E946BA

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.



FF85DA



46E975



BBBDFE

Square

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



46E975



00E9FF



FF9CFF



FFA850

Rectangle

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



46E975



00F0F4



FF9CFF



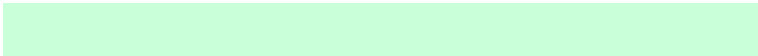
FF86A8

Sweetspot

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



46E975



C9FFD9



BBE946



608069



000000



808080

Same Dimension

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



46E975



29FF67



46E9C6



6A756D



00B534



00360F

Inverse Universe

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



E946BA



FF29C1



E94669



756A72



B50081



360026

Previews

White Background



This preview shows how the Hex color 46E975 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 46E975 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

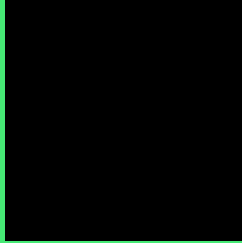
Any Text WCAG AA ✓ Pass

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 46E975 Background



This preview shows how black text looks on a background with the Hex color 46E975.

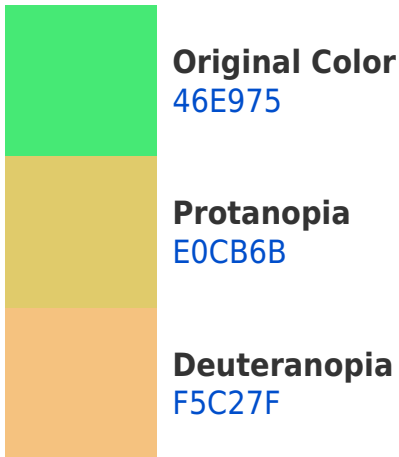


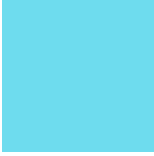
This preview shows how white text looks on a background with the Hex color 46E975.

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



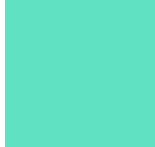
Original Color
46E975



Protanomaly
A8D66F



Deuteranomaly
B5D07B



Tritanomaly
5FE1C2

Monochromacy



Original Color
46E975



Achromatopsia
ABABAB



Achromatomaly
86C297

CSS Examples

Text

The CSS property to change the color of the text to Hex 46E975 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 #46E975 looks like.

```
.text, #text, p{  
    color:#46E975  
}
```

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 #46E975 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #46E975
}
```

Border

The CSS property to change the border of an element to Hex 46E975 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
#46E975 }
```

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

```
.border{ border-color:#46E975 }
```

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

Here you see how a box with a 4 pixel #46E975 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #46E975; -webkit-box-shadow:4px 4px  
4px 4px #46E975; box-shadow:4px 4px 4px  
4px #46E975 }
```

Background

The CSS property to change the background color of an element to Hex 46E975 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#46E975 }
```

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

```
.background{ background-color:#46E975 }
```

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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