

# Converting Colors

Hex(80DE24)

Have a look what the booklet for  
Hex(80DE24) contains.

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**Color**

**Hex(80DE24)**

# Conversions

## Conversions Part 1

| Format      | Color                      |
|-------------|----------------------------|
| Hex         | 80DE24                     |
| RGB         | 128, 222, 36               |
| RGB Percent | 50%, 87%, 14%              |
| CMY         | 0.4980, 0.1294, 0.8588     |
| CMYK        | 0.42, 0.00, 0.84, 0.13     |
| HSL         | 90°, 74%, 51%              |
| HSV         | 90°, 84%, 87%              |
| XYZ         | 35.3418, 56.9591, 10.8006  |
| YIQ         | 172.6900, 3.6820, -77.7740 |

# Conversions

## Conversions Part 2

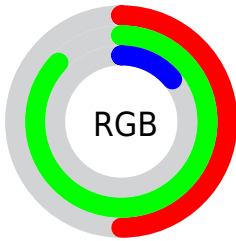
| Format                              | Color  |
|-------------------------------------|--|
| <a href="#">RYB</a>                 | <a href="#">36, 222, 130</a>                 |
| Decimal                             | <a href="#">8445476</a>                      |
| CIELab                              | <a href="#">80.16, -54.92, 73.21</a>         |
| CIELCh                              | <a href="#">80, 91.518, 126.879</a>          |
| Yxy                                 | <a href="#">56.9591, 0.3428, 0.5525</a>      |
| Android<br>(android.graphics.Color) | <a href="#">4286635556<br/>(0xFF80DE24)</a>  |
| YUV                                 | <a href="#">172.6900, -67.3882, -39.1931</a> |
| Hunter-Lab                          | <a href="#">75.4713, -48.4865, 44.3450</a>   |

# Details

The Hex color **80DE24** is a dark color, and the websafe version is hex **66CC00**. The color can be described as dark washed chartreuse. A complement of this color would be **8224DE**, and the grayscale version is **ADADAD**.

A 20% lighter version of the original color is **BBFF64**, and **42A600** is the 20% darker color. If you saturate the color by 10%, you get **75DE0E**, and if you desaturate by 10%, it is **8BDE3A**.

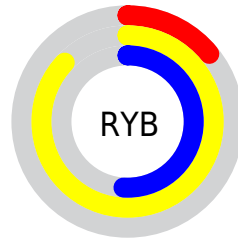
# Distribution



Red (50%)

Green (87%)

Blue (14%)



Red (14%)

Yellow (87%)

Blue (51%)

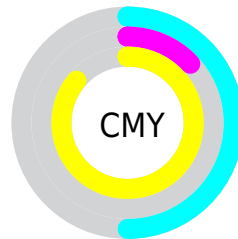


Cyan (42%)

Magenta (0%)

Yellow (84%)

Black (13%)



Cyan (50%)

Magenta (13%)

Yellow (86%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 80DE24 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 80DE24 by changing the saturation by 10% instead.



 80DE24

 80DE24

FFFFFF

 62C200

 BBFF64

 42A600

 D9FF81

 1B8B00

 F8FF9E

 007100

 FFFFBB

 005700

 FFFF81

 003F00

 FFFFF6

 002800

 000100

 000000

 80DE24

 80DE24

 75DE0E

 8BDE3A

 6EDE00

 96DE50

 A2DE67

 ADDE7D

 B8DE93

 C3DEA9

 CFDEBF

 DADED6

 E5DEEC

# Harmonies

## Analogous

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



DCC900



80DE24



00E980

# Triad

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



80DE24



00E2FF



FF68B7

# Complementary

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



80DE24



8224DE

# 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.



FF7CFF



80DE24



00CBFF

# Square

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



80DE24



00ECFF



E0A6FF



FF8265

# Rectangle

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



80DE24



00EDBB



E0A6FF



FF6AD4

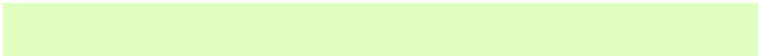


# Sweetspot

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



80DE24



DFFFBF



DE8124



6C8059



000000



808080



# Same Dimension

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



80DE24



7EFF00



24DE24



6B7065



57B000



183000



# Inverse Universe

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



8224DE



8100FF



DE24DE



6B6570



5900B0

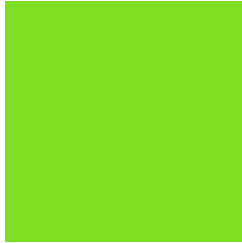


180030



# Previews

## White Background



This preview shows how the Hex color 80DE24 looks on a white background.

## Color Contrast Check

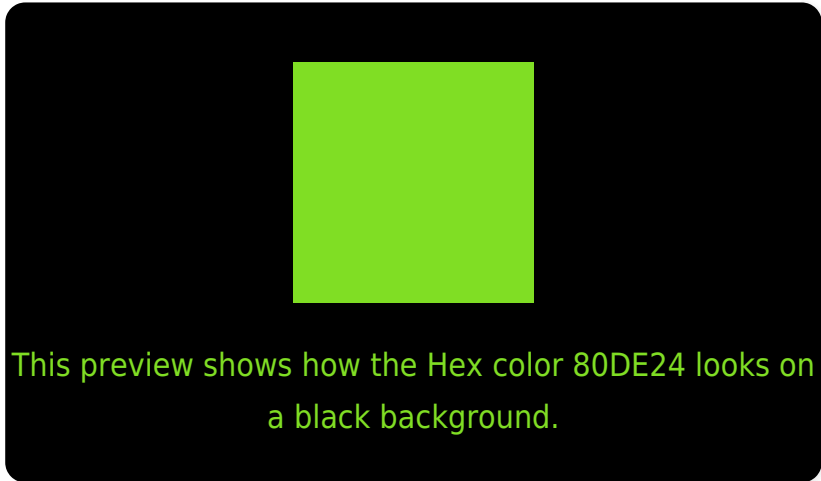
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



## 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 80DE24 Background



This preview shows how black text looks on a background with the Hex color 80DE24.

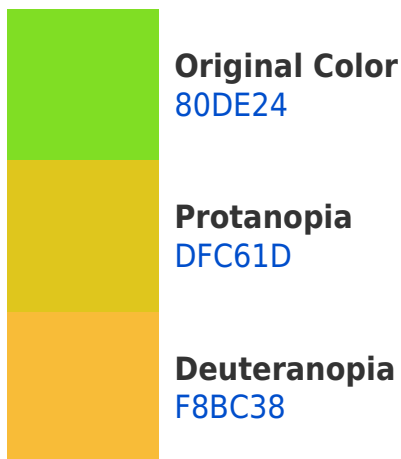


This preview shows how white text looks on a background with the Hex color 80DE24.

# 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**  
9ACFDf

# Trichromacy



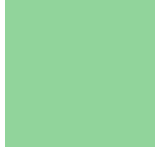
**Original Color**  
80DE24



**Protanomaly**  
BCCF20



**Deuteranomaly**  
CCC831



**Tritanomaly**  
91D49B

# Monochromacy



**Original Color**  
80DE24



**Achromatopsia**  
ADADAD



**Achromatomaly**  
9DBF7B

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 80DE24 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 #80DE24 looks like.

```
.text, #text, p{  
    color:#80DE24  
}
```

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 #80DE24 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #80DE24
}
```

## Border

The CSS property to change the border of an element to Hex 80DE24 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
#80DE24 }
```

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

```
.border{ border-color:#80DE24 }
```

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

Here you see how a box with a 4 pixel #80DE24 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #80DE24; -webkit-box-shadow:4px 4px  
4px 4px #80DE24; box-shadow:4px 4px 4px  
4px #80DE24 }
```

# Background

The CSS property to change the background color of an element to Hex 80DE24 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#80DE24 }
```

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

```
.background{ background-color:#80DE24 }
```

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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