

Converting Colors

Hex(00FF50)

Have a look what the booklet for
Hex(00FF50) contains.

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Color

Hex(00FF50)

Conversions

Conversions Part 1

Format	Color
Hex	00FF50
RGB	0, 255, 80
RGB Percent	0%, 100%, 31%
CMY	1.0000, 0.0000, 0.6863
CMYK	1.00, 0.00, 0.69, 0.00
HSL	139°, 100%, 50%
HSV	139°, 100%, 100%
XYZ	37.2080, 72.0992, 19.5449
YIQ	158.8050, -95.8050, -108.4850

Conversions

Conversions Part 2

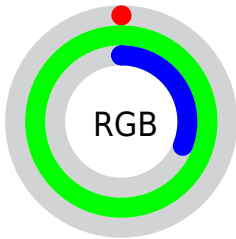
Format	Color
RYB	0, 194, 255
Decimal	65360
CIELab	88.02, -82.58, 66.52
CIELCh	88, 106.039, 141.149
Yxy	72.0992, 0.2888, 0.5596
Android (android.graphics.Color)	4278255440 (0xFF00FF50)
YUV	158.8050, -38.8509, -139.2720
Hunter-Lab	84.9112, -70.3763, 45.7905

Details

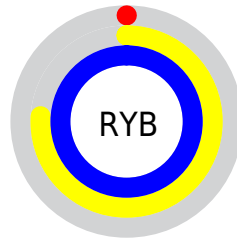
The Hex color **00FF50** is a dark color, and the websafe version is hex **00FF66**. The color can be described as dark saturated green. A complement of this color would be **FF00AF**, and the grayscale version is **9F9F9F**.

A 20% lighter version of the original color is **76FF89**, and **00C403** is the 20% darker color. If you saturate the color by 10%, you get **00FF50**, and if you desaturate by 10%, it is **19FF61**.

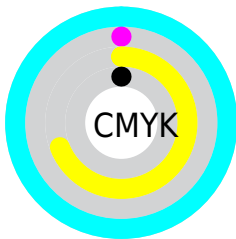
Distribution



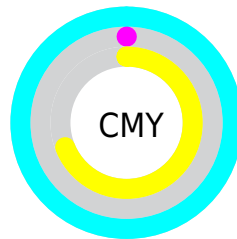
- Red (0%)
- Green (100%)
- Blue (31%)



- Red (0%)
- Yellow (76%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (69%)
- Black (0%)




- Cyan (100%)
- Magenta (0%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the Hex color 00FF50 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 00FF50 by changing the saturation by 10% instead.

 00FF50

 00FF50

FFFFFF

 00E131

 76FF89

 00C403

 99FFA5

 00A800

 BAFFC2

 008C00

 DBFFDF

 007100

 FBFFFD

 005600

 003D00

 002300

 000000

 00FF50

 19FF61

 33FF73

 4DFF84

 66FF96

 80FFA7

 99FFB9

 B3FFCB

 CCFFDC

 E6FFEE

Harmonies

Analogous

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



C5ED00



00FF50



00FFBA

Triad

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



00FF50



00F2FF



FF709B

Complementary

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



00FF50



FF00AF

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.



FF6BFF



00FF50



8ECFFF

Square

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



00FF50



00FFFF



FF9CFF



FFA039

Rectangle

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



00FF50



00FFFF



FF9CFF



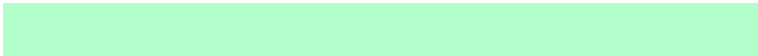
FF66BC

Sweetspot

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



00FF50



B3FFCB



B3FF00



528060



000000



808080

Same Dimension

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



00FF50



00FFCC



738077



00BF3C



004014

Inverse Universe

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



FF00AF



FF0033



80737C



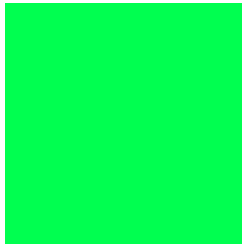
BF0083



40002C

Previews

White Background



This preview shows how the Hex color 00FF50 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 00FF50 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 00FF50 Background



This preview shows how black text looks on a background with the Hex color 00FF50.

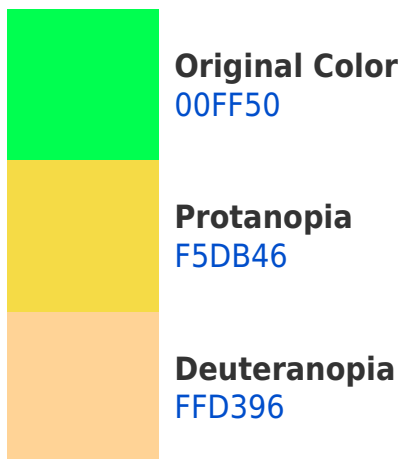


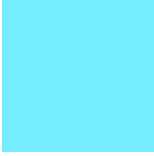
This preview shows how white text looks on a background with the Hex color 00FF50.

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](#).

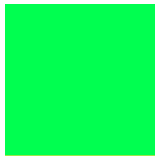
Dichromacy





Tritanopia
75EDFF

Trichromacy



Original Color
00FF50



Protanomaly
9CE84A

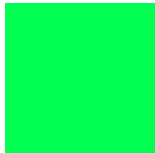


Deuteranomaly
A2E37D

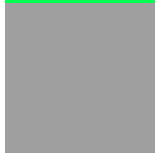


Tritanomaly
4AF4BF

Monochromacy



Original Color
00FF50



Achromatopsia
9F9F9F



Achromatomaly
65C282

CSS Examples

Text

The CSS property to change the color of the text to Hex 00FF50 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 #00FF50 looks like.

```
.text, #text, p{  
    color:#00FF50  
}
```

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 #00FF50 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00FF50
}
```

Border

The CSS property to change the border of an element to Hex 00FF50 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
#00FF50 }
```

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

```
.border{ border-color:#00FF50 }
```

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

Here you see how a box with a 4 pixel #00FF50 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00FF50; -webkit-box-shadow:4px 4px  
4px 4px #00FF50; box-shadow:4px 4px 4px  
4px #00FF50 }
```

Background

The CSS property to change the background color of an element to Hex 00FF50 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00FF50 }
```

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

```
.background{ background-color:#00FF50 }
```

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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