

Converting Colors

Hex(55D12E)

Have a look what the booklet for
Hex(55D12E) contains.

Hex(55D12E)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(55D12E)

Conversions

Conversions Part 1

Format	Color
Hex	55D12E
RGB	85, 209, 46
RGB Percent	33%, 82%, 18%
CMY	0.6667, 0.1804, 0.8196
CMYK	0.59, 0.00, 0.78, 0.18
HSL	106°, 64%, 50%
HSV	106°, 78%, 82%
XYZ	27.0399, 47.7295, 10.3723
YIQ	153.3420, -21.5810, -76.9810

Conversions

Conversions Part 2

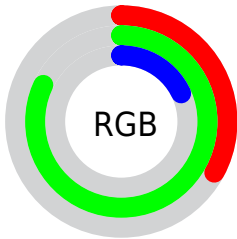
Format	Color
RYB	46, 209, 170
Decimal	5624110
CIELab	74.65, -61.90, 64.96
CIELCh	75, 89.731, 133.621
Yxy	47.7295, 0.3176, 0.5606
Android (android.graphics.Color)	4283814190 (0xFF55D12E)
YUV	153.3420, -52.9196, -59.9359
Hunter-Lab	69.0865, -51.0379, 39.4590

Details

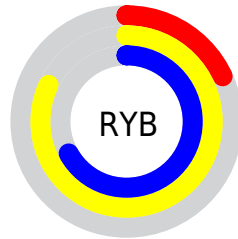
The Hex color **55D12E** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark washed green. A complement of this color would be **AA2ED1**, and the grayscale version is **9A9A9A**.

A 20% lighter version of the original color is **93FF68**, and **009900** is the 20% darker color. If you saturate the color by 10%, you get **45D119**, and if you desaturate by 10%, it is **65D143**.

Distribution



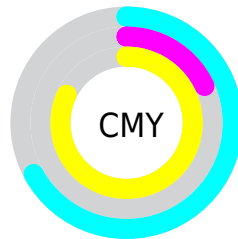
- Red (33%)
- Green (82%)
- Blue (18%)



- Red (18%)
- Yellow (82%)
- Blue (67%)



- Cyan (59%)
- Magenta (0%)
- Yellow (78%)
- Black (18%)



- Cyan (67%)
- Magenta (18%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Hex color 55D12E 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 55D12E by changing the saturation by 10% instead.

 55D12E

 55D12E

FFFFFF

 31B500

 93FF68

 009900

 B1FF84

 007E00

 D0FFA1

 006400

 EEFFBD

 004B00

 FFFFDA

 003400

 FFFFF8

 001900

 000000

 55D12E

 55D12E

 45D119

 65D143

 35D104

 75D158

 32D100

 85D16D

 95D182

 A4D197

 B4D1AB

 C4D1C0

 D4D1D5

 E4D1EA

Harmonies

Analogous

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



BAC000



55D12E



00DA86

Triad

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



55D12E



00CEFF



FF5B96

Complementary

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



55D12E



AA2ED1

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.



FF65E8



55D12E



16B5FF

Square

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



55D12E



00DAFF



E98FFF



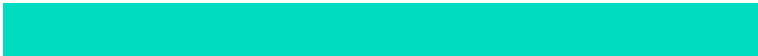
FF7C47

Rectangle

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



55D12E



00DCC0



E98FFF



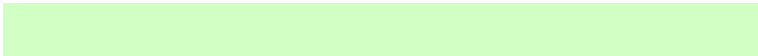
FF58B1

Sweetspot

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



55D12E



D2FFC4



D1A82E



64805C



000000



808080

Same Dimension

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



55D12E



49FF0F



2ED157



61695E



28A800



0A2900

Inverse Universe

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



AA2ED1



C60FFF



D12EA8



665E69



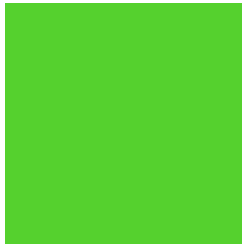
8000A8



1F0029

Previews

White Background



This preview shows how the Hex color 55D12E looks on a white background.

Color Contrast Check

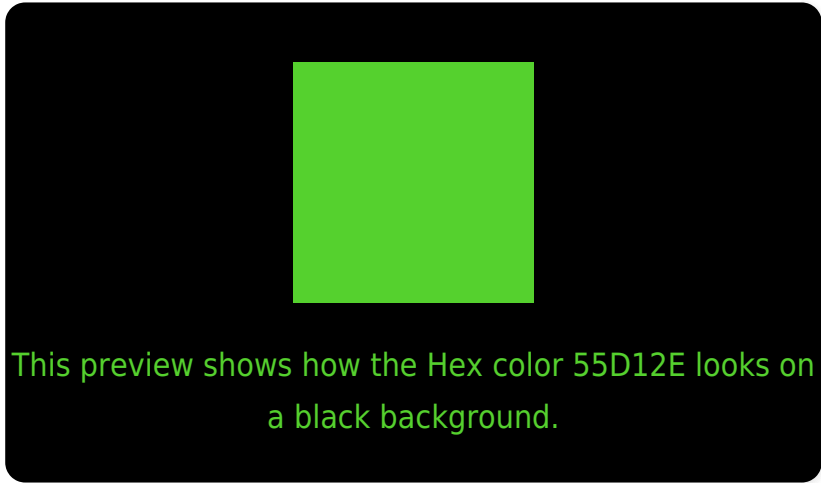
Large Text (above 18pt) WCAG AA × Fail

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 55D12E Background



This preview shows how black text looks on a background with the Hex color 55D12E.

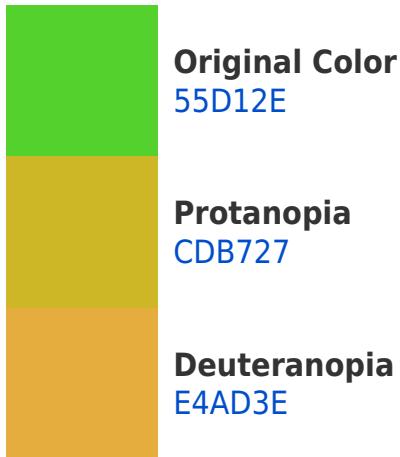


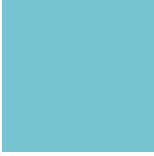
This preview shows how white text looks on a background with the Hex color 55D12E.

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
76C3D2

Trichromacy



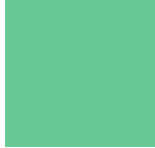
Original Color
55D12E



Protanomaly
A1C02A



Deuteranomaly
B0BA38



Tritanomaly
6AC896

Monochromacy



Original Color
55D12E



Achromatopsia
999999



Achromatomaly
80AD72

CSS Examples

Text

The CSS property to change the color of the text to Hex 55D12E 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 #55D12E looks like.

```
.text, #text, p{  
    color:#55D12E  
}
```

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 #55D12E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #55D12E
}
```

Border

The CSS property to change the border of an element to Hex 55D12E 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
#55D12E }
```

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

```
.border{ border-color:#55D12E }
```

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

Here you see how a box with a 4 pixel #55D12E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #55D12E; -webkit-box-shadow:4px 4px  
4px 4px #55D12E; box-shadow:4px 4px 4px  
4px #55D12E }
```

Background

The CSS property to change the background color of an element to Hex 55D12E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#55D12E }
```

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

```
.background{ background-color:#55D12E }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor