

# Converting Colors

Hex(FFE55E)

Have a look what the booklet for  
Hex(FFE55E) contains.

<b>Hex(FFE55E)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# **Color**

**Hex(FFE55E)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE55E
RGB	255, 229, 94
RGB Percent	100%, 90%, 37%
CMY	0.0000, 0.1020, 0.6314
CMYK	0.00, 0.10, 0.63, 0.00
HSL	50°, 100%, 68%
HSV	50°, 63%, 100%
XYZ	71.2797, 78.1068, 21.9089
YIQ	221.3840, 58.8310, -36.4730

# Conversions

## Conversions Part 2

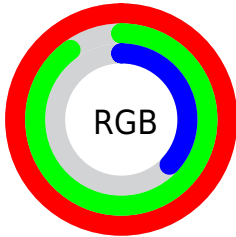
Format	Color
R <sub>Y</sub> B	125, 255, 94
Decimal	16770398
CIE Lab	90.83, -6.20, 66.99
CIE LCh	91, 67.276, 95.288
Yxy	78.1068, 0.4161, 0.4560
Android (android.graphics.Color)	4294960478 (0xFFFFE55E)
YUV	221.3840, -62.8003, 29.4812
Hunter-Lab	88.3780, -10.6957, 47.1666

# Details

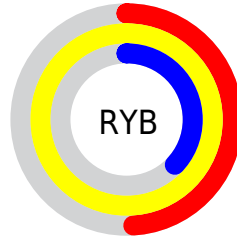
The Hex color **FFE55E** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light muted yellow. A complement of this color would be **5E78FF**, and the grayscale version is **DEDEDE**.

A 20% lighter version of the original color is **FFFF95**, and **C3AE23** is the 20% darker color. If you saturate the color by 10%, you get **FFE145**, and if you desaturate by 10%, it is **FFE978**.

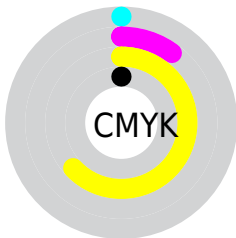
# Distribution



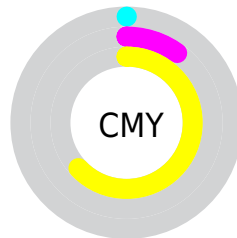
- Red (100%)
- Green (90%)
- Blue (37%)



- Red (49%)
- Yellow (100%)
- Blue (37%)



- Cyan (0%)
- Magenta (10%)
- Yellow (63%)
- Black (0%)



- Cyan (0%)
- Magenta (10%)
- Yellow (63%)

# Brightness & Saturation Gradients

These gradients show how the Hex color FFE55E 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 FFE55E by changing the saturation by 10% instead.



 FFE55E

 FFE55E

FFFFFF

 E1C942

 FFFF95

 C3AE23

 FFFF82

 A69300

 FFFF6E

 897A00

 FFFF5B

 6D6100

 524A00

 373400

 1E1F00

 000600

 FFE55E

 FFE55E

 FFE145

 FFE978

 FFDD2B

 FFED91

 FFD912

 FFF1AB

 FFD600

 FFF5C4

 FFFADE

 FFFE77

FFFFFF

# Harmonies

## Analogous

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



FFCE6F



FFE55E



BBF677

# Triad

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



FFE55E



00FFFF



FFB7FF

# Complementary

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



FFE55E



5E78FF

# 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.



F8CFFF



FFE55E



00FAFF

# Square

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



FFE55E



00FFEF



83E8FF



FFADDC

# Rectangle

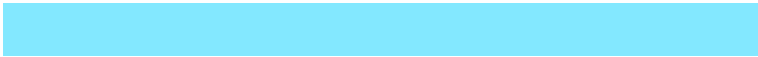
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



FFE55E



83FE98



83E8FF



FFBEFF



# Sweetspot

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



FFE55E



FFF7CF



FF5E79



807B62



000000



808080



# Same Dimension

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



FFE55E



FFE03D



C9FF5E



807D73



BFA000



403500



# Inverse Universe

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



5E78FF



3D5CFF



945EFF



737580



001FBF



000A40



# Previews

## White Background



This preview shows how the Hex color FFE55E looks on a white background.

## Color Contrast Check

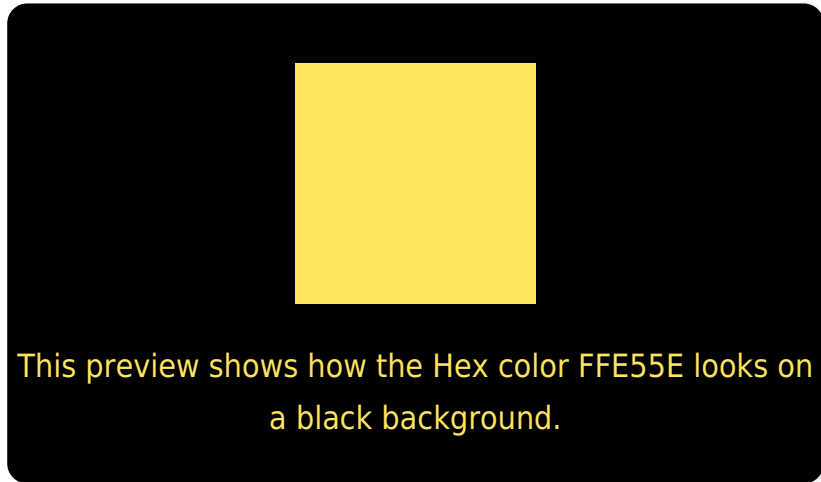
Large Text (above 18pt) WCAG AA × Fail

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 FFE55E Background



This preview shows how black text looks on a background with the Hex color FFE55E.

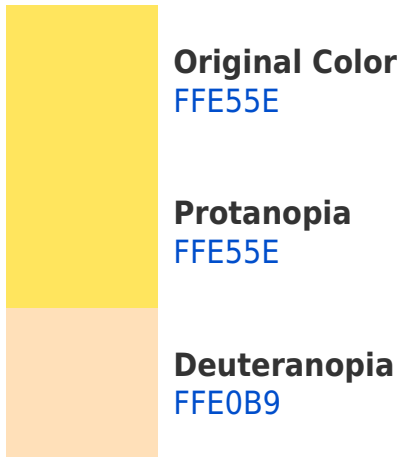


This preview shows how white text looks on a background with the Hex color FFE55E.

# 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**  
FFDCE7

# Trichromacy



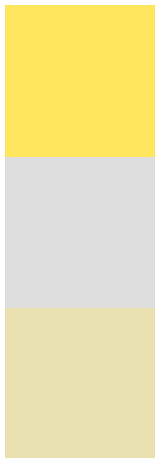
**Original Color**  
FFE55E

**Protanomaly**  
FFE55E

**Deuteranomaly**  
FFE298

**Tritanomaly**  
FFDFB5

# Monochromacy



**Original Color**  
FFE55E

**Achromatopsia**  
DDDDDD

**Achromatomaly**  
E9E0AF

# CSS Examples

## Text

The CSS property to change the color of the text to Hex FFE55E 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 #FFE55E looks like.

```
.text, #text, p{  
    color:#FFE55E  
}
```

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 #FFE55E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #FFE55E
}
```

## Border

The CSS property to change the border of an element to Hex FFE55E 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
#FFE55E }
```

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

```
.border{ border-color:#FFE55E }
```

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

Here you see how a box with a 4 pixel #FFE55E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #FFE55E; -webkit-box-shadow:4px 4px  
4px 4px #FFE55E; box-shadow:4px 4px 4px  
4px #FFE55E }
```

# Background

The CSS property to change the background color of an element to Hex FFE55E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#FFE55E }
```

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

```
.background{ background-color:#FFE55E }
```

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