

# Converting Colors

Hex(686E13)

Have a look what the booklet for  
Hex(686E13) contains.

|  |    |
|--|----|
| <b>Hex(686E13)</b> .....                       | 3  |
| <i><b>Conversions</b></i> .....                | 4  |
| <i><b>Details</b></i> .....                    | 6  |
| <i><b>Harmonies</b></i> .....                  | 11 |
| <i><b>Previews</b></i> .....                   | 23 |
| <i><b>Color Blindness Simulation</b></i> ..... | 26 |
| <i><b>CSS Examples</b></i> .....               | 29 |

**Color**

**Hex(686E13)**

# Conversions

## Conversions Part 1

| <b>Format</b> | <b>Color</b>               |
|---------------|----------------------------|
| Hex           | 686E13                     |
| RGB           | 104, 110, 19               |
| RGB Percent   | 41%, 43%, 7%               |
| CMY           | 0.5922, 0.5686, 0.9255     |
| CMYK          | 0.05, 0.00, 0.83, 0.57     |
| HSL           | 64°, 71%, 25%              |
| HSV           | 64°, 83%, 43%              |
| XYZ           | 11.4024, 14.1419, 2.7448   |
| YIQ           | 97.8320, 25.6350, -29.5730 |

# Conversions

## Conversions Part 2

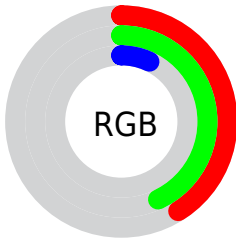
| <b>Format</b>                       | <b>Color</b>                  |
|-------------------------------------|-------------------------------|
| <b>RYB</b>                          | 19, 110, 25                   |
| Decimal                             | 6843923                       |
| CIELab                              | 44.44, -13.90, 45.56          |
| CIELCh                              | 44, 47.631, 106.969           |
| Yxy                                 | 14.1419, 0.4031,<br>0.4999    |
| Android<br>(android.graphics.Color) | 4285034003<br>(0xFF686E13)    |
| YUV                                 | 97.8320, -38.8642,<br>5.4093  |
| Hunter-Lab                          | 37.6058, -11.6873,<br>21.9965 |

# Details

The Hex color **686E13** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **19136E**, and the grayscale version is **626262**.

A 20% lighter version of the original color is **9EA147**, and **363F00** is the 20% darker color. If you saturate the color by 10%, you get **676E08**, and if you desaturate by 10%, it is **696E1E**.

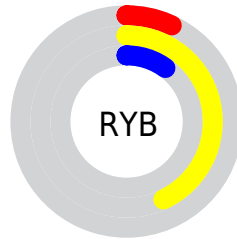
# Distribution



 Red (41%)

 Green (43%)

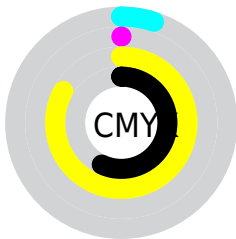
 Blue (7%)



 Red (7%)

 Yellow (43%)

 Blue (10%)

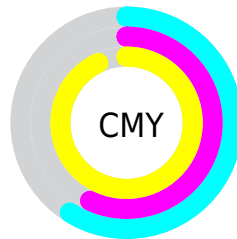


 Cyan (5%)

 Magenta (0%)

 Yellow (83%)

 Black (57%)



 Cyan (59%)

 Magenta (57%)

 Yellow (93%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 686E13 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 686E13 by changing the saturation by 10% instead.



 686E13

 686E13

FFFFFF

 4E5600

 9EA147

 363F00

 BABC61

 1D2900

 D6D87B

 001600

 F3F496

 000000

 FFFFB1

 FFFFCD

 FFFF99

 686E13

 686E13

■ 676E08

■ 696E1E

■ 676E00

■ 696E29

■ 6A6E34

■ 6B6E3F

■ 6C6E4A

■ 6C6E55

■ 6D6E60

■ 6E6E6B

■ 6F6E76

# Harmonies

## Analogous

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



8C6115



686E13



397630

# Triad

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



686E13



007AA2



A8467C

# Complementary

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



686E13



19136E

# 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.



8755A0



686E13



0072B6

# Square

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



686E13



007C7F



4766B5



B14454

# Rectangle

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



686E13



007A48



4766B5



A04A89



# Sweetspot

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



686E13



8C8F6B



6E1813



464732



C7C7C7



474747



# Same Dimension

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



686E13



858F01



3C6E13



383832



707800



E7F700



# Inverse Universe

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



19136E



0B018F



45136E



333238



080078



1000F7



# Previews

## White Background



This preview shows how the Hex color 686E13 looks on a white 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 × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 686E13 Background



This preview shows how black text looks on a background with the Hex color 686E13.



This preview shows how white text looks on a background with the Hex color 686E13.

# 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](#).

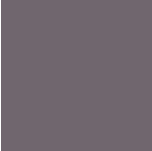
## Dichromacy



**Original Color**  
686E13

**Protanopia**  
766912

**Deuteranopia**  
846419



**Tritanopia**  
70666E

# Trichromacy



**Original Color**  
686E13

**Protanomaly**  
716B12

**Deuteranomaly**  
7A6817

**Tritanomaly**  
6D694D

# Monochromacy



**Original Color**  
686E13

**Achromatopsia**  
626262

**Achromatomaly**  
646645

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 686E13 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 #686E13 looks like.

```
.text, #text, p{  
    color:#686E13  
}
```

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 #686E13 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #686E13
}
```

## Border

The CSS property to change the border of an element to Hex 686E13 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
#686E13 }
```

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

```
.border{ border-color:#686E13 }
```

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

Here you see how a box with a 4 pixel #686E13 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #686E13; -webkit-box-shadow:4px 4px  
4px 4px #686E13; box-shadow:4px 4px 4px  
4px #686E13 }
```

# Background

The CSS property to change the background color of an element to Hex 686E13 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#686E13 }
```

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

```
.background{ background-color:#686E13 }
```

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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