

# Converting Colors

Hex(578E25)

Have a look what the booklet for  
Hex(578E25) contains.

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# Color

Hex(578E25)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	578E25
RGB	87, 142, 37
RGB Percent	34%, 56%, 15%
CMY	0.6588, 0.4431, 0.8549
CMYK	0.39, 0.00, 0.74, 0.44
HSL	91°, 59%, 35%
HSV	91°, 74%, 56%
XYZ	13.9374, 21.5058, 5.1667
YIQ	113.5850, 0.9250, -44.3150

# Conversions

## Conversions Part 2

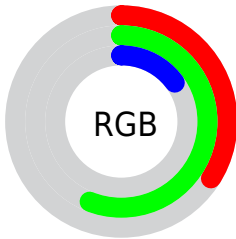
<b>Format</b>	<b>Color</b>
<b>RYB</b>	37, 142, 92
Decimal	5738021
CIELab	53.50, -35.90, 47.42
CIELCh	53, 59.475, 127.128
Yxy	21.5058, 0.3432, 0.5296
Android (android.graphics.Color)	4283928101 (0xFF578E25)
YUV	113.5850, -37.7564, -23.3150
Hunter-Lab	46.3744, -27.5085, 25.8564

# Details

The Hex color **578E25** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **5C258E**, and the grayscale version is **727272**.

A 20% lighter version of the original color is **8DC459**, and **205B00** is the 20% darker color. If you saturate the color by 10%, you get **508E17**, and if you desaturate by 10%, it is **5E8E33**.

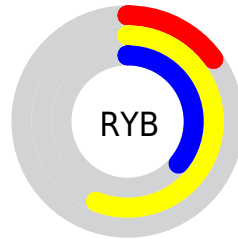
# Distribution



Red (34%)

Green (56%)

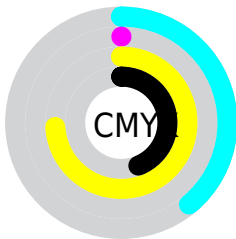
Blue (15%)



Red (15%)

Yellow (56%)

Blue (36%)

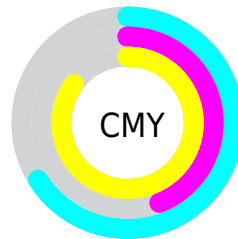


Cyan (39%)

Magenta (0%)

Yellow (74%)

Black (44%)



Cyan (66%)

Magenta (44%)

Yellow (85%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 578E25 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 578E25 by changing the saturation by 10% instead.



 578E25

 578E25

FFFFFF

 3C7404

 8DC459

 205B00

 A9E073

 004300

 C5FD8E

 002C00

 E2FFA9

 001500

 FFFFC5

 000000

 FFFFE2

 578E25

 578E25

 508E17

 5E8E33

■ 488E09

■ 668E41

■ 448E00

■ 6D8E50

■ 758E5E

■ 7C8E6C

■ 848E7A

■ 8B8E88

■ 938E97

■ 9A8EA5

# Harmonies

## Analogous

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



8E8100



578E25



009556

# Triad

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



578E25



0090DE



DB4C76

# Complementary

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



578E25



5C258E

# 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.



C656A9



578E25



0082E6

# Square

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



578E25



0096BD



916DD2



D45945

# Rectangle

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



578E25



009779



916DD2



D84C87



# Sweetspot

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



578E25



A2B88F



8E5B25



4F5C44



DBDBDB



5C5C5C



# Same Dimension

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



578E25



62B814



258E27



444740



408700



040800



# Inverse Universe

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



5C258E



6A14B8



8E258C



444047



470087



040008



# Previews

## White Background



This preview shows how the Hex color 578E25 looks on a white 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

# 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 × Fail

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



## Hex 578E25 Background



This preview shows how black text looks on a background with the Hex color 578E25.



This preview shows how white text looks on a background with the Hex color 578E25.

# 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**  
578E25

**Protanopia**  
8F8021

**Deuteranopia**  
9F792D



**Tritanopia**  
66848F

# Trichromacy



**Original Color**  
578E25

**Protanomaly**  
7B8522

**Deuteranomaly**  
85812A

**Tritanomaly**  
618868

# Monochromacy



**Original Color**  
578E25

**Achromatopsia**  
727272

**Achromatomaly**  
687C56

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 578E25 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 #578E25 looks like.

```
.text, #text, p{  
    color:#578E25  
}
```

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 #578E25 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #578E25
}
```

## Border

The CSS property to change the border of an element to Hex 578E25 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
#578E25 }
```

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

```
.border{ border-color:#578E25 }
```

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

Here you see how a box with a 4 pixel #578E25 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #578E25; -webkit-box-shadow:4px 4px  
4px 4px #578E25; box-shadow:4px 4px 4px  
4px #578E25 }
```

# Background

The CSS property to change the background color of an element to Hex 578E25 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#578E25 }
```

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

```
.background{ background-color:#578E25 }
```

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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