

# Converting Colors

Hex(58012F)

Have a look what the booklet for  
Hex(58012F) contains.

<b>Hex(58012F)</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(58012F)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	58012F
RGB	88, 1, 47
RGB Percent	35%, 0%, 18%
CMY	0.6549, 0.9961, 0.8157
CMYK	0.00, 0.99, 0.47, 0.65
HSL	328°, 98%, 17%
HSV	328°, 99%, 35%
XYZ	4.5484, 2.3017, 2.8939
YIQ	32.2570, 37.0860, 32.7500

# Conversions

## Conversions Part 2

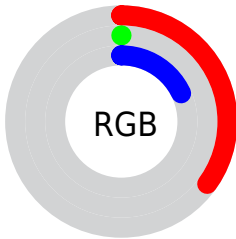
Format	Color
<a href="#">RYB</a>	<a href="#">88, 1, 47</a>
Decimal	<a href="#">5767471</a>
CIELab	<a href="#">17.00, 39.30, -2.79</a>
CIELCh	<a href="#">17, 39.400, 355.933</a>
Yxy	<a href="#">2.3017, 0.4668, 0.2362</a>
Android (android.graphics.Color)	<a href="#">4283957551 (0xFF58012F)</a>
YUV	<a href="#">32.2570, 7.2683, 48.8866</a>
Hunter-Lab	<a href="#">15.1712, 26.9662, -0.6895</a>

# Details

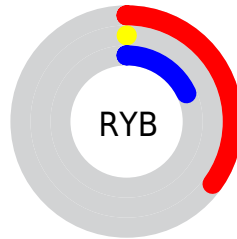
The Hex color **58012F** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **01582A**, and the grayscale version is **202020**.

A 20% lighter version of the original color is **8E3A5D**, and **280001** is the 20% darker color. If you saturate the color by 10%, you get **58002F**, and if you desaturate by 10%, it is **580A33**.

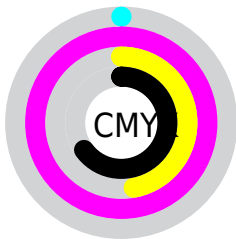
# Distribution



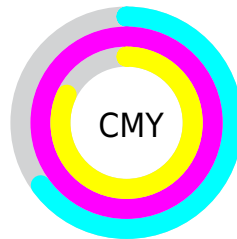
- Red (35%)
- Green (0%)
- Blue (18%)



- Red (35%)
- Yellow (0%)
- Blue (18%)



- Cyan (0%)
- Magenta (99%)
- Yellow (47%)
- Black (65%)



- Cyan (65%)
- Magenta (100%)
- Yellow (82%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 58012F 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 58012F by changing the saturation by 10% instead.



 58012F

 58012F

 FFF7FF

 3E001A

 8E3A5D

 280001

 AA5375

 000000

 C66D8F

 E387A9

 FFA2C5

 FFBEE1

 FFDAFD

 58012F

 58012F

■ 58002F

■ 580A33

■ 581337

■ 581B3B

■ 582440

■ 582D44

■ 583648

■ 583F4C

■ 584750

■ 585054

# Harmonies

## Analogous

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



47134A



58012F



580713

# Triad

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



58012F



1E2F00



003459

# Complementary

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



58012F



01582A

# 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.



003642



58012F



003304

# Square

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



58012F



382700



003525



002F63

# Rectangle

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



58012F



521400



003525



003552



# Sweetspot

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



58012F



735063



2A0158



3B2631



BABABA



3B3B3B



# Same Dimension

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



58012F



73003D



580104



2B2729



6B0039



EB007C



# Inverse Universe

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



58012F



73003D



015855



2B2729



6B0039

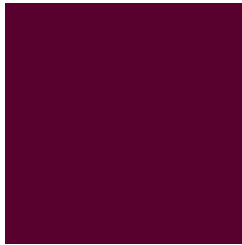


EB007C



# Previews

## White Background



This preview shows how the Hex color 58012F looks on a white background.

## Color Contrast Check

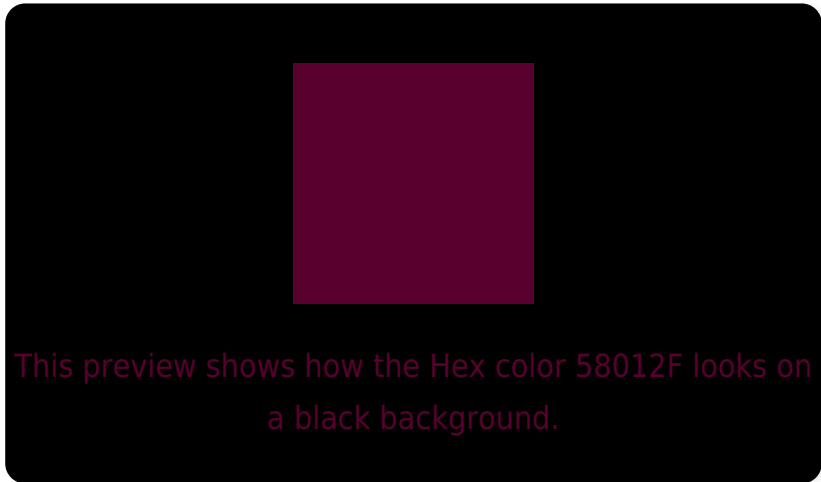
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

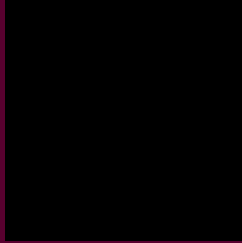
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 58012F Background



This preview shows how black text looks on a background with the Hex color 58012F.



This preview shows how white text looks on a background with the Hex color 58012F.

# 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**  
58012F

**Protanopia**  
272D44

**Deuteranopia**  
332C2B



**Tritanopia**  
571313

# Trichromacy



**Original Color**  
58012F

**Protanomaly**  
391D3C

**Deuteranomaly**  
401C2C

**Tritanomaly**  
570C1D

# Monochromacy



**Original Color**  
58012F

**Achromatopsia**  
202020

**Achromatomaly**  
341525

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 58012F 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 #58012F looks like.

```
.text, #text, p{  
    color:#58012F  
}
```

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 #58012F colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #58012F
}
```

## Border

The CSS property to change the border of an element to Hex 58012F 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
#58012F }
```

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

```
.border{ border-color:#58012F }
```

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

Here you see how a box with a 4 pixel #58012F colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #58012F; -webkit-box-shadow:4px 4px  
4px 4px #58012F; box-shadow:4px 4px 4px  
4px #58012F }
```

# Background

The CSS property to change the background color of an element to Hex 58012F is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#58012F }
```

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

```
.background{ background-color:#58012F }
```

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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