

# Converting Colors

Hex(5B2868)

Have a look what the booklet for  
Hex(5B2868) contains.

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# Color

**Hex(5B2868)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	5B2868
RGB	91, 40, 104
RGB Percent	36%, 16%, 41%
CMY	0.6431, 0.8431, 0.5922
CMYK	0.12, 0.62, 0.00, 0.59
HSL	288°, 44%, 28%
HSV	288°, 62%, 41%
XYZ	7.5719, 4.7412, 13.6128
YIQ	62.5450, 9.8520, 30.7160

# Conversions

## Conversions Part 2

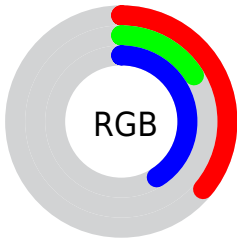
<b>Format</b>	<b>Color</b>
<b>RYB</b>	91, 40, 104
Decimal	5974120
CIELab	25.98, 34.17, -27.62
CIElCh	26, 43.940, 321.056
Yxy	4.7412, 0.2921, 0.1829
Android (android.graphics.Color)	4284164200 (0xFF5B2868)
YUV	62.5450, 20.4373, 24.9550
Hunter-Lab	21.7743, 23.9671, -21.8246

# Details

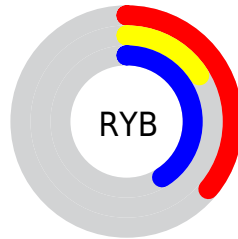
The Hex color **5B2868** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **356828**, and the grayscale version is **3E3E3E**.

A 20% lighter version of the original color is **8F589C**, and **2A0038** is the 20% darker color. If you saturate the color by 10%, you get **591E68**, and if you desaturate by 10%, it is **5D3268**.

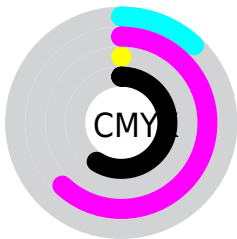
# Distribution



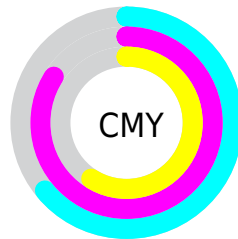
- Red (36%)
- Green (16%)
- Blue (41%)



- Red (36%)
- Yellow (16%)
- Blue (41%)



- Cyan (12%)
- Magenta (62%)
- Yellow (0%)
- Black (59%)



- Cyan (64%)
- Magenta (84%)
- Yellow (59%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 5B2868 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 5B2868 by changing the saturation by 10% instead.



■ 5B2868

■ 5B2868

FFFFFF

■ 421050

■ 8F589C

■ 2A0038

■ AA72B7

■ 110023

■ C68CD2

■ 000008

■ E2A6EF

■ 000000

■ FFC2FF

■ FFDEFF

■ FFFBFF

■ 5B2868

■ 5B2868

■ 591E68

■ 5D3268

■ 571368

■ 5F3D68

■ 550968

■ 614768

■ 530068

■ 635268

■ 665C68

■ 686668

■ 6A7168

■ 6C7B68

■ 6E8668

# Harmonies

## Analogous

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



22397C



5B2868



731749

# Triad

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



5B2868



553800



004C55

# Complementary

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



5B2868



356828

# 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.



004C32



5B2868



364300

# Square

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



5B2868



6B2907



00490E



004A71

# Rectangle

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



5B2868



781533



00490E



004C49



# Sweetspot

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



5B2868



826F87



283668



423645



C4C4C4



454545



# Same Dimension

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



5B2868



732387



682856



322E33



5B0073



C100F2



# Inverse Universe

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



682835



872337



28683A



332E2F



730017

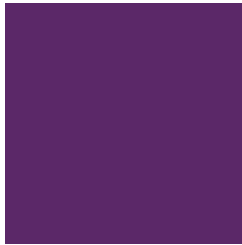


F20031



# Previews

## White Background



This preview shows how the Hex color 5B2868 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

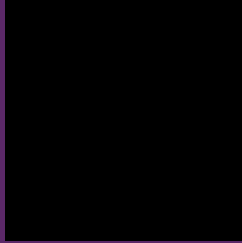
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 5B2868 Background



This preview shows how black text looks on a background with the Hex color 5B2868.



This preview shows how white text looks on a background with the Hex color 5B2868.

# 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**  
553539

# Trichromacy



**Original Color**  
5B2868

**Protanomaly**  
2E3575

**Deuteranomaly**  
3B3665

**Tritanomaly**  
57304A

# Monochromacy



**Original Color**  
5B2868

**Achromatopsia**  
3F3F3F

**Achromatomaly**  
49374E

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 5B2868 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 #5B2868 looks like.

```
.text, #text, p{  
    color:#5B2868  
}
```

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 #5B2868 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #5B2868  
}
```

## Border

The CSS property to change the border of an element to Hex 5B2868 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  
#5B2868 }
```

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

```
.border{ border-color:#5B2868 }
```

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

Here you see how a box with a 4 pixel #5B2868 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #5B2868; -webkit-box-shadow:4px 4px  
4px 4px #5B2868; box-shadow:4px 4px 4px  
4px #5B2868 }
```

# Background

The CSS property to change the background color of an element to Hex 5B2868 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#5B2868 }
```

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

```
.background{ background-color:#5B2868 }
```

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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