

# Converting Colors

Hex(565680)

Have a look what the booklet for  
Hex(565680) contains.

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# Color

**Hex(565680)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	565680
RGB	86, 86, 128
RGB Percent	34%, 34%, 50%
CMY	0.6627, 0.6627, 0.4980
CMYK	0.33, 0.33, 0.00, 0.50
HSL	240°, 20%, 42%
HSV	240°, 33%, 50%
XYZ	11.0618, 10.1925, 21.8064
YIQ	90.7880, -13.4820, 13.0620

# Conversions

## Conversions Part 2

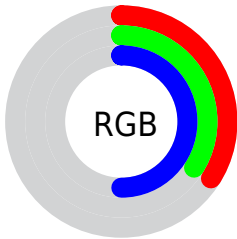
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	86, 86, 128
Decimal	5658240
CIE <sub>Lab</sub>	38.19, 10.56, -23.59
CIE <sub>LCh</sub>	38, 25.845, 294.112
Yxy	10.1925, 0.2569, 0.2367
Android (android.graphics.Color)	4283848320 (0xFF565680)
YUV	90.7880, 18.3455, -4.1991
Hunter-Lab	31.9257, 5.9777, -18.1492

# Details

The Hex color **565680** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **808056**, and the grayscale version is **5B5B5B**.

A 20% lighter version of the original color is **8988B5**, and **26294F** is the 20% darker color. If you saturate the color by 10%, you get **494980**, and if you desaturate by 10%, it is **636380**.

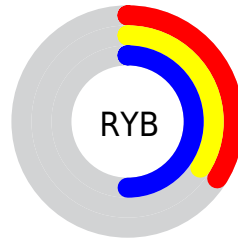
# Distribution



Red (34%)

Green (34%)

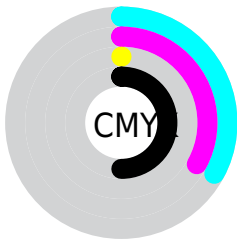
Blue (50%)



Red (34%)

Yellow (34%)

Blue (50%)

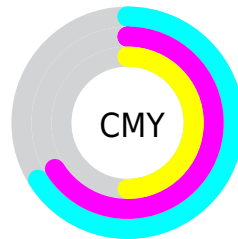


Cyan (33%)

Magenta (33%)

Yellow (0%)

Black (50%)



Cyan (66%)

Magenta (66%)

Yellow (50%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 565680 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 565680 by changing the saturation by 10% instead.



■ 565680

■ 565680

FFFFFF

■ 3E3F67

■ 8988B5

■ 26294F

■ A4A2D1

■ 0E1537

■ BFBDED

■ 000022

■ DBD9FF

■ 000008

■ F8F5FF

■ 000000

■ 565680

■ 565680

■ 494980

■ 636380

■ 3C3C80

■ 707080

■ 303080

■ 7C7C80

■ 232380

■ 898980

■ 161680

■ 969680

■ 090980

■ A3A380

■ 000080

■ B0B080

■ BCBC80

■ C9C980

# Harmonies

## Analogous

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



325D83



565680



704E73

# Triad

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



565680



7B5039



1F6555

# Complementary

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



565680



808056

# 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.



3E6241



565680



6B5730

# Square

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



565680



824A4A



565E33



00656A

# Rectangle

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



565680



7B4B66



565E33



2A644E



# Sweetspot

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



565680



9595A6



568080



4A4A54



D4D4D4



545454



# Same Dimension

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



565680



6565A6



6B5680



393940



000080



000000



# Inverse Universe

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



805680



A665A6



6B8056



403940



800080



000000



# Previews

## White Background



This preview shows how the Hex color 565680 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

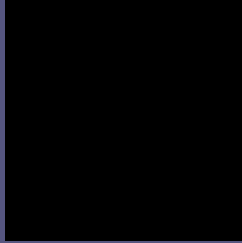
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 565680 Background



This preview shows how black text looks on a background with the Hex color 565680.



This preview shows how white text looks on a background with the Hex color 565680.

# 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](#).

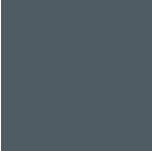
## Dichromacy



**Original Color**  
565680

**Protanopia**  
4C5882

**Deuteranopia**  
4C597F



**Tritanopia**  
505C63

# Trichromacy



**Original Color**  
565680

**Protanomaly**  
505781

**Deuteranomaly**  
50587F

**Tritanomaly**  
525A6E

# Monochromacy



**Original Color**  
565680

**Achromatopsia**  
5B5B5B

**Achromatomaly**  
595968

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 565680 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 #565680 looks like.

```
.text, #text, p{  
    color:#565680  
}
```

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 #565680 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #565680
}
```

## Border

The CSS property to change the border of an element to Hex 565680 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
#565680 }
```

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

```
.border{ border-color:#565680 }
```

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

Here you see how a box with a 4 pixel #565680 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #565680; -webkit-box-shadow:4px 4px  
4px 4px #565680; box-shadow:4px 4px 4px  
4px #565680 }
```

# Background

The CSS property to change the background color of an element to Hex 565680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#565680 }
```

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

```
.background{ background-color:#565680 }
```

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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