

# Converting Colors

Hex(564D87)

Have a look what the booklet for  
Hex(564D87) contains.

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# Color

**Hex(564D87)**

# Conversions

## Conversions Part 1

Format	Color
Hex	564D87
RGB	86, 77, 135
RGB Percent	34%, 30%, 53%
CMY	0.6627, 0.6980, 0.4706
CMYK	0.36, 0.43, 0.00, 0.47
HSL	249°, 27%, 42%
HSV	249°, 43%, 53%
XYZ	10.8648, 9.0355, 24.0931
YIQ	86.3030, -13.2540, 19.9460

# Conversions

## Conversions Part 2

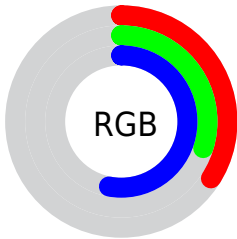
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	86, 77, 135
Decimal	5655943
CIE <sub>Lab</sub>	36.05, 18.30, -31.22
CIE <sub>LCh</sub>	36, 36.189, 300.369
Yxy	9.0355, 0.2470, 0.2054
Android (android.graphics.Color)	4283846023 (0xFF564D87)
YUV	86.3030, 24.0076, -0.2657
Hunter-Lab	30.0590, 11.9153, -26.4811

# Details

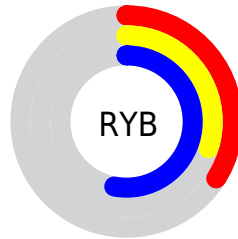
The Hex color **564D87** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **7E874D**, and the grayscale version is **565656**.

A 20% lighter version of the original color is **8A7EBD**, and **242155** is the 20% darker color. If you saturate the color by 10%, you get **4B3F87**, and if you desaturate by 10%, it is **615A87**.

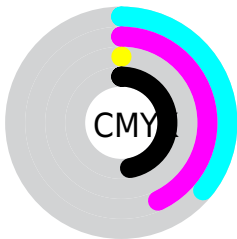
# Distribution



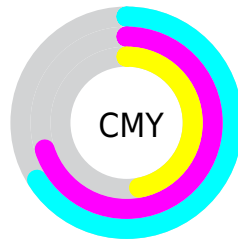
- Red (34%)
- Green (30%)
- Blue (53%)



- Red (34%)
- Yellow (30%)
- Blue (53%)



- Cyan (36%)
- Magenta (43%)
- Yellow (0%)
- Black (47%)



- Cyan (66%)
- Magenta (70%)
- Yellow (47%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 564D87 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 564D87 by changing the saturation by 10% instead.



■ 564D87

■ 564D87

FFFFFF

■ 3D366D

■ 8A7EBD

■ 242155

■ A598D9

■ 0A0C3D

■ C0B3F5

■ 000227

■ DDCEFF

■ 000110

■ F9EAFF

■ 000000

■ 564D87

■ 564D87

■ 4B3F87

■ 615A87

■ 3F3287

■ 6D6887

■ 342587

■ 787687

■ 281787

■ 848387

■ 1D0A87

■ 8F9187

■ 150087

■ 9A9E87

■ A6AC87

■ B1B987

■ BDC787

# Harmonies

## Analogous

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



0F588F



564D87



784172

# Triad

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



564D87



7B4922



006354

# Complementary

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



564D87



7E874D

# 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.



1E6137



564D87



645317

# Square

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



564D87



883E39



475C20



006371

# Rectangle

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



564D87



853C5F



475C20



00624A



# Sweetspot

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



564D87



9D99B0



4D7E87



4D4B59



D9D9D9



595959



# Same Dimension

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



564D87



6354B0



734D87



3D3C42



140082



000003



# Inverse Universe

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



874D7E



B054A2



61874D



423C41



82006E

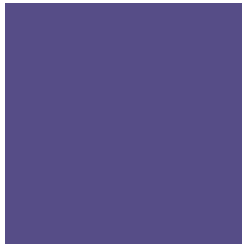


030002



# Previews

## White Background



This preview shows how the Hex color 564D87 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

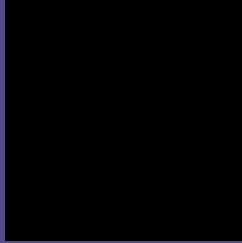
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 564D87 Background



This preview shows how black text looks on a background with the Hex color 564D87.



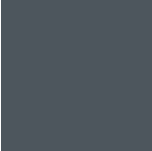
This preview shows how white text looks on a background with the Hex color 564D87.

# 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**  
4D565D

# Trichromacy



**Original Color**  
564D87

**Protanomaly**  
46518A

**Deuteranomaly**  
455286

**Tritanomaly**  
50536C

# Monochromacy



**Original Color**  
564D87

**Achromatopsia**  
565656

**Achromatomaly**  
565368

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 564D87 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 #564D87 looks like.

```
.text, #text, p{  
    color:#564D87  
}
```

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 #564D87 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #564D87
}
```

## Border

The CSS property to change the border of an element to Hex 564D87 is called "border". The border property can be set on classes, ids or directly on the HTML element.

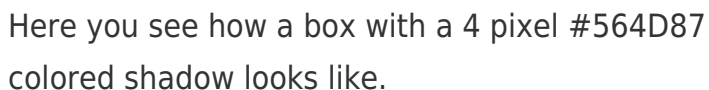
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#564D87 }
```

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

```
.border{ border-color:#564D87 }
```

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



Here you see how a box with a 4 pixel #564D87 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #564D87; -webkit-box-shadow:4px 4px  
4px 4px #564D87; box-shadow:4px 4px 4px  
4px #564D87 }
```

# Background

The CSS property to change the background color of an element to Hex 564D87 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#564D87 }
```

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

```
.background{ background-color:#564D87 }
```

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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