

# Converting Colors

Hex(1257A5)

Have a look what the booklet for  
Hex(1257A5) contains.

<b>Hex(1257A5)</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(1257A5)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	1257A5
RGB	18, 87, 165
RGB Percent	7%, 34%, 65%
CMY	0.9294, 0.6588, 0.3529
CMYK	0.89, 0.47, 0.00, 0.35
HSL	212°, 80%, 36%
HSV	212°, 89%, 65%
XYZ	10.4492, 9.6616, 36.9115
YIQ	75.2610, -66.1620, 9.6300

# Conversions

## Conversions Part 2

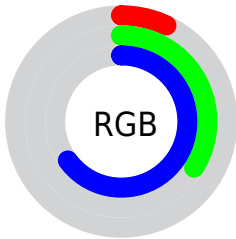
<b>Format</b>	<b>Color</b>
<b>RYB</b>	18, 65, 165
Decimal	1202085
CIELab	37.23, 10.09, -47.68
CIElCh	37, 48.738, 281.953
Yxy	9.6616, 0.1832, 0.1694
Android (android.graphics.Color)	4279392165 (0xFF1257A5)
YUV	75.2610, 44.2413, -50.2179
Hunter-Lab	31.0831, 5.6107, -48.6492

# Details

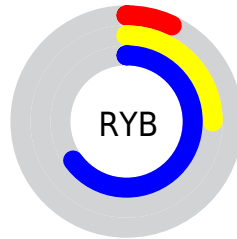
The Hex color **1257A5** is a dark color, and the websafe version is hex **0066CC**. A complement of this color would be **A56012**, and the grayscale version is **4B4B4B**.

A 20% lighter version of the original color is **5C88DD**, and **002B70** is the 20% darker color. If you saturate the color by 10%, you get **014EA5**, and if you desaturate by 10%, it is **2360A5**.

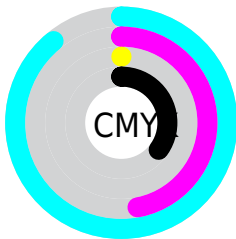
# Distribution



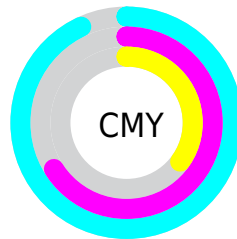
- Red (7%)
- Green (34%)
- Blue (65%)



- Red (7%)
- Yellow (25%)
- Blue (65%)



- Cyan (89%)
- Magenta (47%)
- Yellow (0%)
- Black (35%)



- Cyan (93%)
- Magenta (66%)
- Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 1257A5 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 1257A5 by changing the saturation by 10% instead.



■ 1257A5

■ 1257A5

FFFFFF

■ 00408A

■ 5C88DD

■ 002B70

■ 7AA2F9

■ 001857

■ 97BDFF

■ 00073F

■ B4D9FF

■ 000329

■ D2F5FF

■ 000112

■ F0FFFF

■ 000000

■ 1257A5

■ 1257A5

■ 014EA5

■ 2360A5

■ 004DA5

■ 3369A5

■ 4371A5

■ 547AA5

■ 6583A5

■ 758CA5

■ 8594A5

■ 969DA5

■ A6A6A5

# Harmonies

## Analogous

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



0063A2



1257A5



6D4693

# Triad

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



1257A5



953B24



00683E

# Complementary

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



1257A5



A56012

# 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.



2E6316



1257A5



7D4D00

# Square

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



1257A5



9D2E4A



5B5B00



006A67

# Rectangle

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



1257A5



88397D



5B5B00



006730



# Sweetspot

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



1257A5



9CB8D6



12A55E



49596B



EBEBEB



6B6B6B



# Same Dimension

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



1257A5



0065D6



1412A5



494D52



004491



000812



# Inverse Universe

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



A51257



D60065



A3A512



52494D



910044



120008



# Previews

## White Background



This preview shows how the Hex color 1257A5 looks on a white background.

## Color Contrast Check

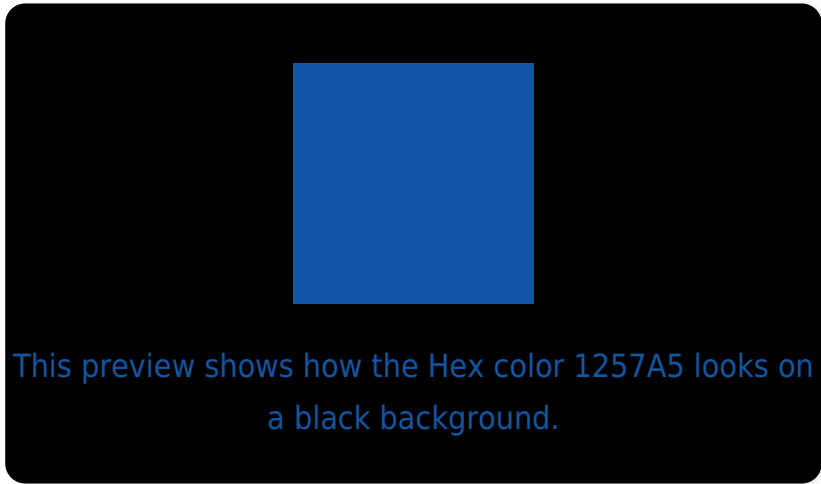
Large Text (above 18pt) WCAG AA ✓ Pass

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

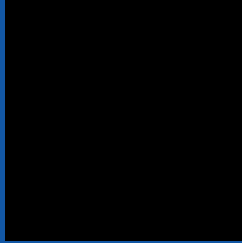
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 1257A5 Background



This preview shows how black text looks on a background with the Hex color 1257A5.

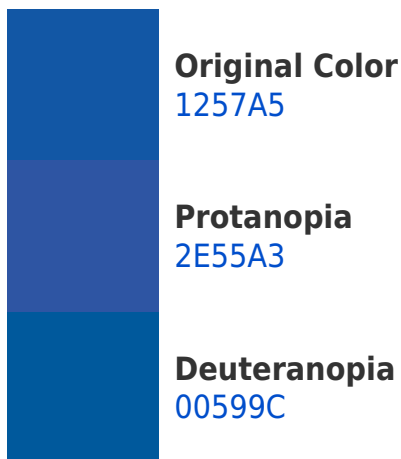


This preview shows how white text looks on a background with the Hex color 1257A5.

# 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**  
006168

# Trichromacy



**Original Color**  
1257A5

**Protanomaly**  
2456A4

**Deuteranomaly**  
07589F

**Tritanomaly**  
075D7E

# Monochromacy



**Original Color**  
1257A5

**Achromatopsia**  
4B4B4B

**Achromatomaly**  
364F6C

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 1257A5 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 #1257A5 looks like.

```
.text, #text, p{  
    color:#1257A5  
}
```

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 #1257A5 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #1257A5
}
```

## Border

The CSS property to change the border of an element to Hex 1257A5 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
#1257A5 }
```

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

```
.border{ border-color:#1257A5 }
```

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

Here you see how a box with a 4 pixel #1257A5 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #1257A5; -webkit-box-shadow:4px 4px  
4px 4px #1257A5; box-shadow:4px 4px 4px  
4px #1257A5 }
```

# Background

The CSS property to change the background color of an element to Hex 1257A5 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#1257A5 }
```

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

```
.background{ background-color:#1257A5 }
```

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](#).



# Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor