

# Converting Colors

Hex(557DBE)

Have a look what the booklet for  
Hex(557DBE) contains.

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# Color

**Hex(557DBE)**

# Conversions

## Conversions Part 1

Format	Color
Hex	557DBE
RGB	85, 125, 190
RGB Percent	33%, 49%, 75%
CMY	0.6667, 0.5098, 0.2549
CMYK	0.55, 0.34, 0.00, 0.25
HSL	217°, 45%, 54%
HSV	217°, 55%, 75%
XYZ	20.3742, 20.3162, 51.5628
YIQ	120.4500, -44.7050, 11.7350

# Conversions

## Conversions Part 2

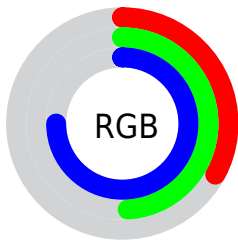
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	85, 114, 190
Decimal	5602750
CIE Lab	52.19, 5.30, -38.32
CIE LCh	52, 38.683, 277.880
Yxy	20.3162, 0.2209, 0.2202
Android (android.graphics.Color)	4283792830 (0xFF557DBE)
YUV	120.4500, 34.2882, -31.0896
Hunter-Lab	45.0735, 1.8071, -36.2745

# Details

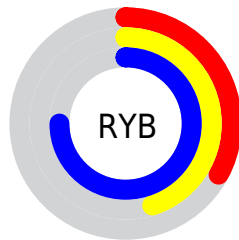
The Hex color **557DBE** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **BE9655**, and the grayscale version is **787878**.

A 20% lighter version of the original color is **8DB1F7**, and **134D88** is the 20% darker color. If you saturate the color by 10%, you get **4271BE**, and if you desaturate by 10%, it is **6889BE**.

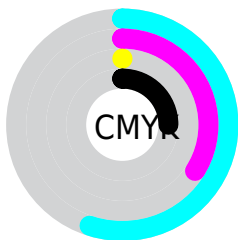
# Distribution



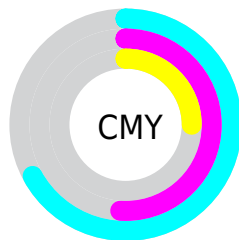
- Red (33%)
- Green (49%)
- Blue (75%)



- Red (33%)
- Yellow (45%)
- Blue (75%)



- Cyan (55%)
- Magenta (34%)
- Yellow (0%)
- Black (25%)



- Cyan (67%)
- Magenta (51%)
- Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 557DBE 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 557DBE by changing the saturation by 10% instead.



■ 557DBE

■ 557DBE

FFFFFF

■ 3864A3

■ 8DB1F7

■ 134D88

■ AACDFE

■ 00366E

■ C6E9FF

■ 002256

■ E3FFFF

■ 000A3E

■ 000327

■ 000111

■ 000000

■ 557DBE

■ 557DBE

■ 4271BE

■ 6889BE

■ 2F65BE

■ 7B95BE

■ 1C5ABE

■ 8EA0BE

■ 094EBE

■ A1ACBE

■ 0048BE

■ B4B8BE

■ C7C4BE

■ DACFBE

■ EDDBBE

■ FFE7BE

# Harmonies

## Analogous

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



0087B9



557DBE



8B70B1

# Triad

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



557DBE



B76655



368C62

# Complementary

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



557DBE



BE9655

# 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.



658646



557DBE



A5723F

# Square

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



557DBE



BB6175



887D39



008E84

# Rectangle

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



557DBE



A368A0



887D39



488A58



# Sweetspot

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



557DBE



CDDDF7



55BE96



646D7D



FCFCFC



7D7D7D



# Same Dimension

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



557DBE



5492F7



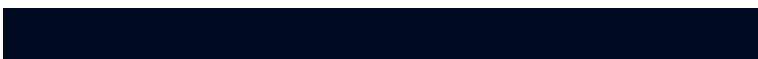
6155BE



55595E



003C9E



000C1F



# Inverse Universe

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



BE557D



F75492



B2BE55



5E5559



9E003C



1F000C



# Previews

## White Background



This preview shows how the Hex color 557DBE looks on a white background.

## Color Contrast Check

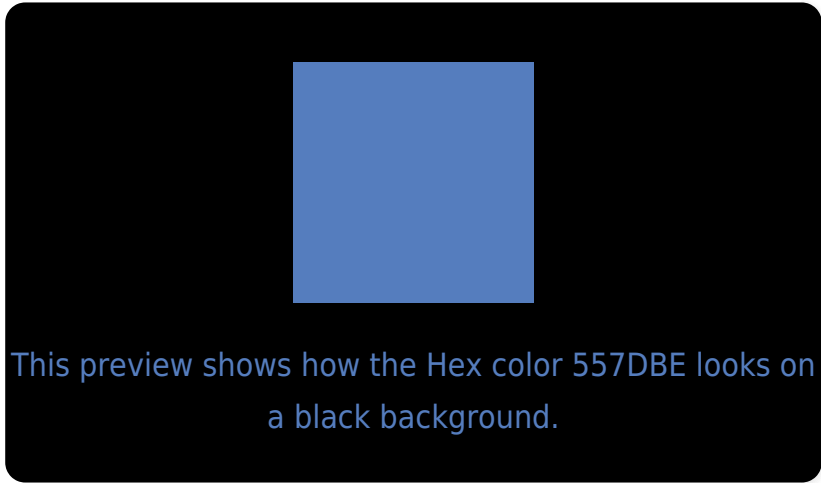
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

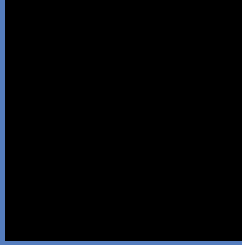
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 557DBE Background



This preview shows how black text looks on a background with the Hex color 557DBE.

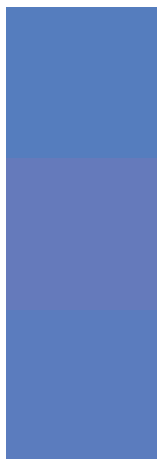


This preview shows how white text looks on a background with the Hex color 557DBE.

# 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**  
557DBE

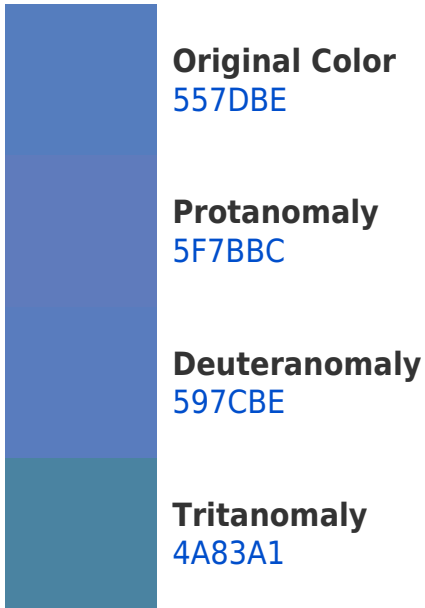
**Protanopia**  
657ABB

**Deuteranopia**  
5B7CBE

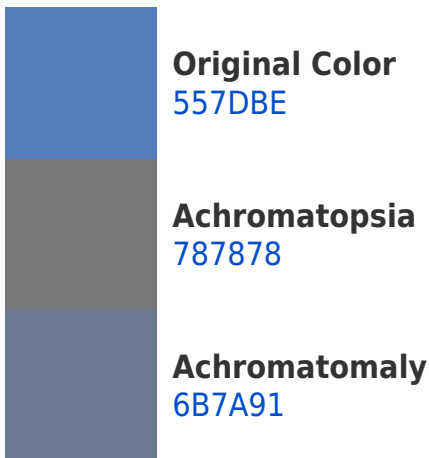


**Tritanopia**  
448691

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 557DBE 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 #557DBE looks like.

```
.text, #text, p{  
    color:#557DBE  
}
```

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 #557DBE colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #557DBE
}
```

## Border

The CSS property to change the border of an element to Hex 557DBE is called "border". The border property can be set on classes, ids or directly on the HTML element.

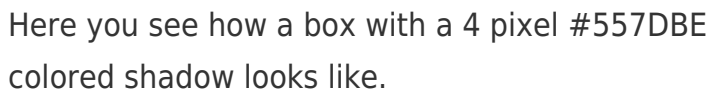
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#557DBE }
```

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

```
.border{ border-color:#557DBE }
```

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



Here you see how a box with a 4 pixel #557DBE colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #557DBE; -webkit-box-shadow:4px 4px  
4px 4px #557DBE; box-shadow:4px 4px 4px  
4px #557DBE }
```

# Background

The CSS property to change the background color of an element to Hex 557DBE is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#557DBE }
```

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

```
.background{ background-color:#557DBE }
```

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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