

# Converting Colors

Hex(12588D)

Have a look what the booklet for  
Hex(12588D) contains.

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# Color

Hex(12588D)

# Conversions

## Conversions Part 1

Format	Color
Hex	12588D
RGB	18, 88, 141
RGB Percent	7%, 35%, 55%
CMY	0.9294, 0.6549, 0.4471
CMYK	0.87, 0.38, 0.00, 0.45
HSL	206°, 77%, 31%
HSV	206°, 87%, 55%
XYZ	8.5469, 9.0311, 26.4920
YIQ	73.1120, -58.7330, 1.6430

# Conversions

## Conversions Part 2

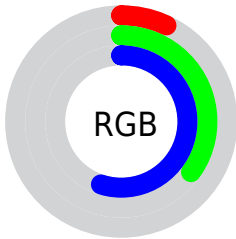
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	18, 63, 141
Decimal	1202317
CIE <sub>Lab</sub>	36.04, -0.32, -35.13
CIE <sub>LCh</sub>	36, 35.128, 269.475
Yxy	9.0311, 0.1939, 0.2049
Android (android.graphics.Color)	4279392397 (0xFF12588D)
YUV	73.1120, 33.4688, -48.3332
Hunter-Lab	30.0518, -1.8244, -31.2304

# Details

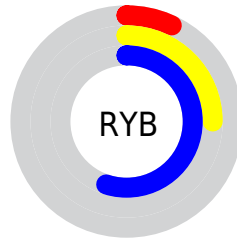
The Hex color **12588D** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **8D4712**, and the grayscale version is **494949**.

A 20% lighter version of the original color is **568AC3**, and **002B5A** is the 20% darker color. If you saturate the color by 10%, you get **04528D**, and if you desaturate by 10%, it is **205E8D**.

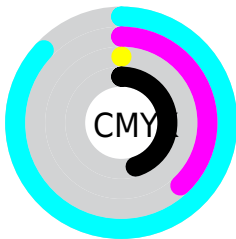
# Distribution



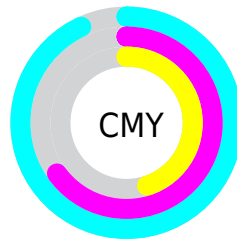
- Red (7%)
- Green (35%)
- Blue (55%)



- Red (7%)
- Yellow (25%)
- Blue (55%)



- Cyan (87%)
- Magenta (38%)
- Yellow (0%)
- Black (45%)



- Cyan (93%)
- Magenta (65%)
- Yellow (45%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 12588D 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 12588D by changing the saturation by 10% instead.



■ 12588D

■ 12588D

FFFFFF

■ 004173

■ 568AC3

■ 002B5A

■ 72A4DF

■ 001742

■ 8FBFFC

■ 00032C

■ ABDAFF

■ 000116

■ C8F7FF

■ 000000

■ E5FFFF

■ 12588D

■ 12588D

■ 04528D

■ 205E8D

■ 00508D

■ 2E648D

■ 3C6A8D

■ 4A708D

■ 59768D

■ 677C8D

■ 75838D

■ 83898D

■ 918F8D

# Harmonies

## Analogous

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



005F85



12588D



554E86

# Triad

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



12588D



873F3B



226037

# Complementary

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



12588D



8D4712

# 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.



495B21



12588D



7B4924

# Square

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



12588D



873C56



655319



006353

# Rectangle

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



12588D



6D467A



655319



315F2F



# Sweetspot

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



12588D



88A3B8



128D45



3F505C



DBDBDB



5C5C5C



# Same Dimension

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



12588D



0068B8



121C8D



404447



004D87



000408



# Inverse Universe

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



8D1258



B80068



8D8312



474044



87004D



080004



# Previews

## White Background



This preview shows how the Hex color 12588D looks on a white background.

## Color Contrast Check

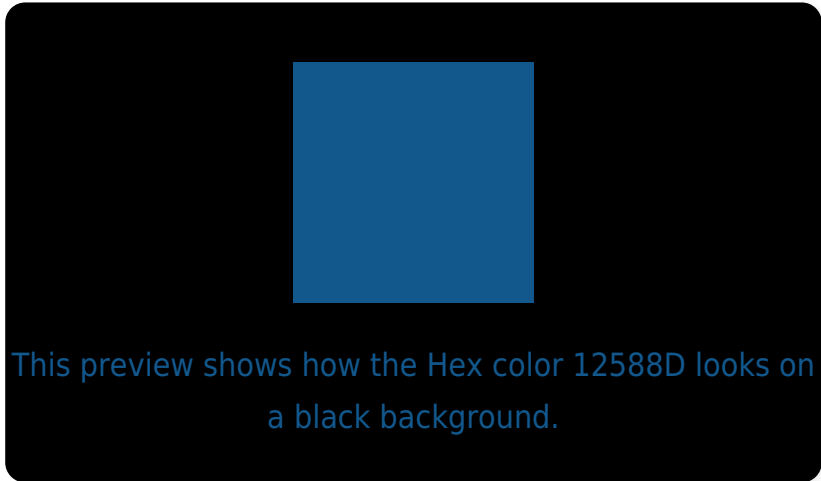
Large Text (above 18pt) WCAG AA ✓ Pass

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

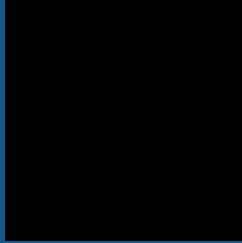
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 12588D Background



This preview shows how black text looks on a background with the Hex color 12588D.



This preview shows how white text looks on a background with the Hex color 12588D.

# 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](#).

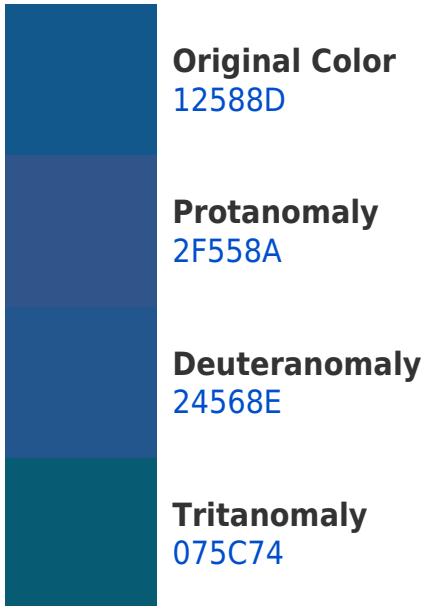
## Dichromacy





**Tritanopia**  
005E65

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 12588D 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 #12588D looks like.

```
.text, #text, p{  
    color:#12588D  
}
```

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 #12588D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #12588D
}
```

## Border

The CSS property to change the border of an element to Hex 12588D 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
#12588D }
```

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

```
.border{ border-color:#12588D }
```

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

Here you see how a box with a 4 pixel #12588D colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #12588D; -webkit-box-shadow:4px 4px  
4px 4px #12588D; box-shadow:4px 4px 4px  
4px #12588D }
```

# Background

The CSS property to change the background color of an element to Hex 12588D is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#12588D }
```

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

```
.background{ background-color:#12588D }
```

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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