

Converting Colors

Hex(2587B8)

Have a look what the booklet for
Hex(2587B8) contains.

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Color

Hex(2587B8)

Conversions

Conversions Part 1

Format	Color
Hex	2587B8
RGB	37, 135, 184
RGB Percent	15%, 53%, 72%
CMY	0.8549, 0.4706, 0.2784
CMYK	0.80, 0.27, 0.00, 0.28
HSL	200°, 67%, 43%
HSV	200°, 80%, 72%
XYZ	18.0787, 21.1820, 48.4831
YIQ	111.2840, -74.1370, -5.5370

Conversions

Conversions Part 2

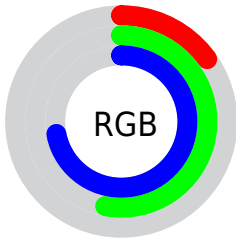
Format	Color
RYB	37, 96, 184
Decimal	2459576
CIELab	53.15, -10.50, -33.50
CIELCh	53, 35.111, 252.595
Yxy	21.1820, 0.2060, 0.2414
Android (android.graphics.Color)	4280649656 (0xFF2587B8)
YUV	111.2840, 35.8490, -65.1471
Hunter-Lab	46.0239, -10.4251, -30.2414

Details

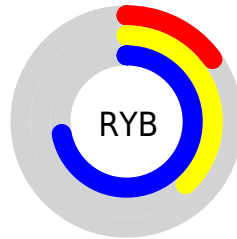
The Hex color **2587B8** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **B85625**, and the grayscale version is **6F6F6F**.

A 20% lighter version of the original color is **6ABCF0**, and **005583** is the 20% darker color. If you saturate the color by 10%, you get **1381B8**, and if you desaturate by 10%, it is **378DB8**.

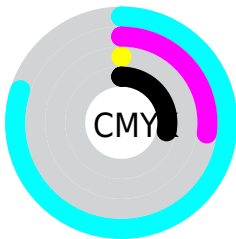
Distribution



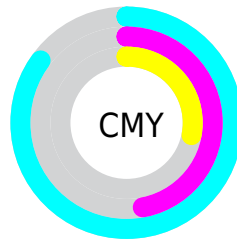
- Red (15%)
- Green (53%)
- Blue (72%)



- Red (15%)
- Yellow (38%)
- Blue (72%)



- Cyan (80%)
- Magenta (27%)
- Yellow (0%)
- Black (28%)



- Cyan (85%)
- Magenta (47%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the Hex color 2587B8 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 2587B8 by changing the saturation by 10% instead.

■ 2587B8

■ 2587B8

FFFFFF

■ 006E9D

■ 6ABCF0

■ 005583

■ 88D8FF

■ 003E69

■ A5F4FF

■ 002951

■ C3FFFF

■ 00153A

■ E1FFFF

■ 000223

■ 00000B

■ 000000

■ 2587B8

■ 2587B8

■ 1381B8

■ 378DB8

■ 007BB8

■ 4A93B8

■ 5C99B8

■ 6FA0B8

■ 81A6B8

■ 93ACB8

■ A6B2B8

■ B8B8B8

■ CBBEB8

Harmonies

Analogous

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



008DA7



2587B8



667EBA

Triad

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



2587B8



B96773



648951

Complementary

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



2587B8



B85625

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.



858143



2587B8



B36D57

Square

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



2587B8



AE6992



A17745



3B8D6C

Rectangle

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



2587B8



8576B2



A17745



70874B

Sweetspot

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



2587B8



B6DDF0



25B856



556C78



F7F7F7



787878

Same Dimension

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



2587B8



0AA3F0



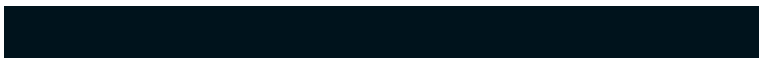
253EB8



53595C



00689C



00131C

Inverse Universe

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



B82587



F00AA3



B8A025



5C5359



9C0068



1C0013

Previews

White Background



This preview shows how the Hex color 2587B8 looks on a white background.

Color Contrast Check

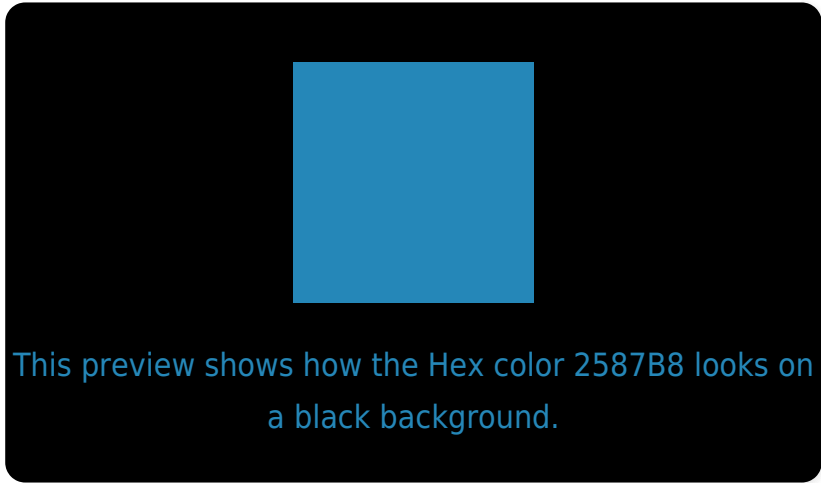
Large Text (above 18pt) WCAG AA ✓ Pass

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

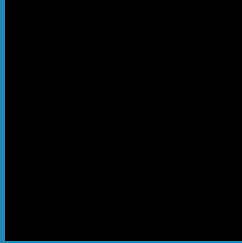
Any Text WCAG AA ✓ Pass

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 2587B8 Background



This preview shows how black text looks on a background with the Hex color 2587B8.

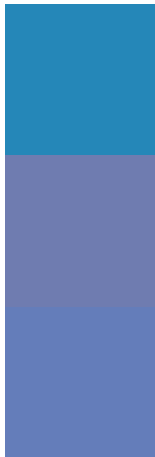


This preview shows how white text looks on a background with the Hex color 2587B8.

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
2587B8

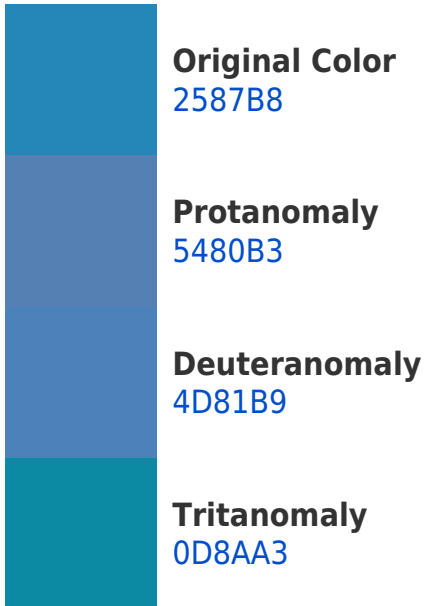
Protanopia
6F7CB0

Deuteranopia
647DBA

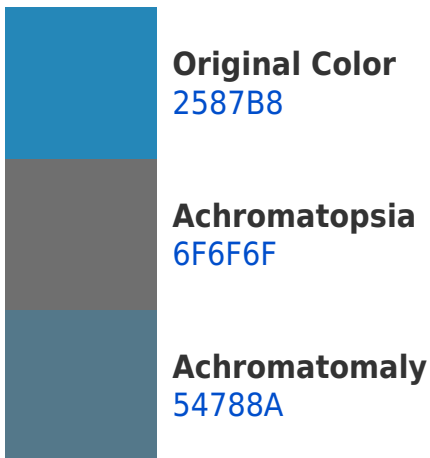


Tritanopia
008C97

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Hex 2587B8 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 #2587B8 looks like.

```
.text, #text, p{  
    color:#2587B8  
}
```

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 #2587B8 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2587B8
}
```

Border

The CSS property to change the border of an element to Hex 2587B8 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
#2587B8 }
```

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

```
.border{ border-color:#2587B8 }
```

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

Here you see how a box with a 4 pixel #2587B8 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2587B8; -webkit-box-shadow:4px 4px  
4px 4px #2587B8; box-shadow:4px 4px 4px  
4px #2587B8 }
```

Background

The CSS property to change the background color of an element to Hex 2587B8 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2587B8 }
```

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

```
.background{ background-color:#2587B8 }
```

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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