

Converting Colors

Hex(02248D)

Have a look what the booklet for
Hex(02248D) contains.

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Color

Hex(02248D)

Conversions

Conversions Part 1

Format	Color
Hex	02248D
RGB	2, 36, 141
RGB Percent	1%, 14%, 55%
CMY	0.9922, 0.8588, 0.4471
CMYK	0.99, 0.74, 0.00, 0.45
HSL	225°, 97%, 28%
HSV	225°, 99%, 55%
XYZ	5.4636, 3.1977, 25.5286
YIQ	37.8040, -53.9690, 25.4470

Conversions

Conversions Part 2

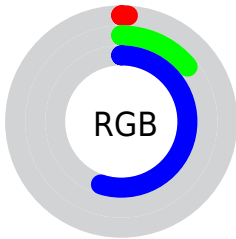
Format	Color
R_{YB}	2, 29, 141
Decimal	140429
CIE _{Lab}	20.82, 34.26, -59.84
CIE _{LCh}	21, 68.959, 299.794
Yxy	3.1977, 0.1598, 0.0935
Android (android.graphics.Color)	4278330509 (0xFF02248D)
YUV	37.8040, 50.8756, -31.4001
Hunter-Lab	17.8822, 23.2439, -72.1244

Details

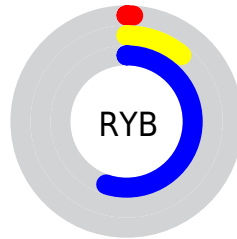
The Hex color **02248D** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **8D6B02**, and the grayscale version is **252525**.

A 20% lighter version of the original color is **5451C4**, and **00005A** is the 20% darker color. If you saturate the color by 10%, you get **00228D**, and if you desaturate by 10%, it is **102F8D**.

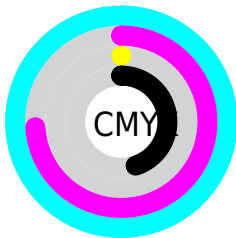
Distribution



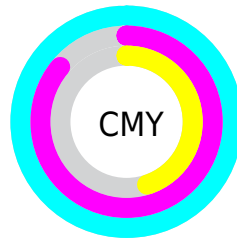
- Red (1%)
- Green (14%)
- Blue (55%)



- Red (1%)
- Yellow (11%)
- Blue (55%)



- Cyan (99%)
- Magenta (74%)
- Yellow (0%)
- Black (45%)



- Cyan (99%)
- Magenta (86%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the Hex color 02248D 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 02248D by changing the saturation by 10% instead.

■ 02248D

■ 02248D

FFFFFF

■ 001073

■ 5451C4

■ 00005A

■ 7269E0

■ 000741

■ 8F83FD

■ 00032A

■ AC9DFF

■ 000114

■ C9B8FF

■ 000000

■ E7D4FF

■ FFF0FF

■ 02248D

■ 02248D

■ 00228D

■ 102F8D

■ 1E398D

■ 2C448D

■ 3A4F8D

■ 49598D

■ 57648D

■ 656F8D

■ 73798D

■ 81848D

Harmonies

Analogous

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



003B9B



02248D



6A0066

Triad

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



02248D



651300



004331

Complementary

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



02248D



8D6B02

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.



004100



02248D



3F3100

Square

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



02248D



7E0000



003C00



004464

Rectangle

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



02248D



7E0046



003C00



00431E

Sweetspot

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



02248D



818EB8



028D6A



3B435C



DBDBDB



5C5C5C

Same Dimension

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



02248D



002DB8



25028D



404247



002187



000208

Inverse Universe

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



8D0224



B8002D



6A8D02



474042



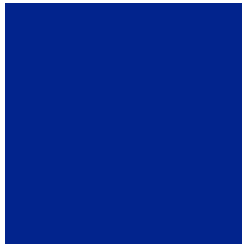
870021



080002

Previews

White Background



This preview shows how the Hex color 02248D looks on a white background.

Color Contrast Check

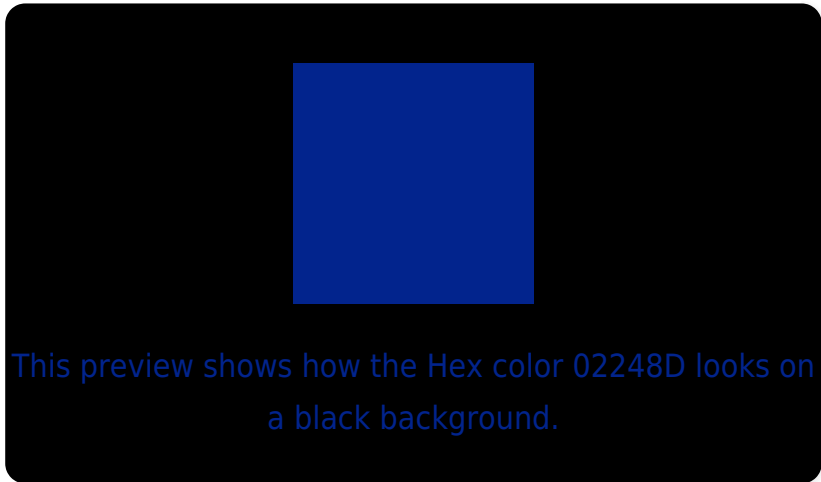
Large Text (above 18pt) WCAG AA ✓ Pass

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

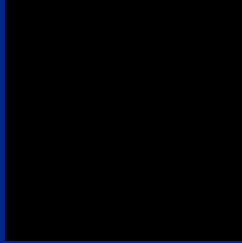
Any Text WCAG AA × Fail

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 02248D Background



This preview shows how black text looks on a background with the Hex color 02248D.



This preview shows how white text looks on a background with the Hex color 02248D.

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
02248D

Protanopia
003168

Deuteranopia
003558

Trichromacy



Original Color
02248D

Protanomaly
012C75

Deuteranomaly
012F6B

Tritanomaly
013159

Monochromacy



Original Color
02248D

Achromatopsia
262626

Achromatomaly
19254B

CSS Examples

Text

The CSS property to change the color of the text to Hex 02248D 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 #02248D looks like.

```
.text, #text, p{  
  color:#02248D  
}
```

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 #02248D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #02248D
}
```

Border

The CSS property to change the border of an element to Hex 02248D 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
#02248D }
```

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

```
.border{ border-color:#02248D }
```

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

Here you see how a box with a 4 pixel #02248D colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #02248D; -webkit-box-shadow:4px 4px  
4px 4px #02248D; box-shadow:4px 4px 4px  
4px #02248D }
```

Background

The CSS property to change the background color of an element to Hex 02248D is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#02248D }
```

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

```
.background{ background-color:#02248D }
```

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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