

# Converting Colors

Hex(2048A9)

Have a look what the booklet for  
Hex(2048A9) contains.

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# Color

**Hex(2048A9)**

# Conversions

Conversions Part 1	
Format	Color
Hex	2048A9
RGB	32, 72, 169
RGB Percent	13%, 28%, 66%
CMY	0.8745, 0.7176, 0.3373
CMYK	0.81, 0.57, 0.00, 0.34
HSL	222°, 68%, 39%
HSV	222°, 81%, 66%
XYZ	10.0745, 7.8064, 38.5119
YIQ	71.0980, -54.9770, 21.6870

# Conversions

## Conversions Part 2

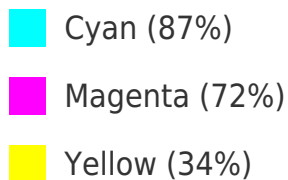
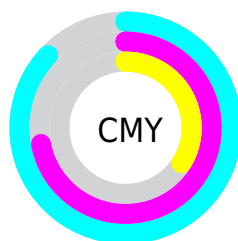
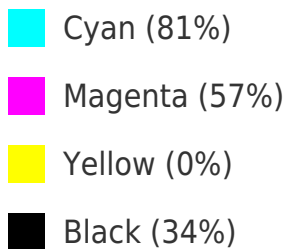
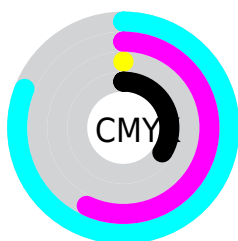
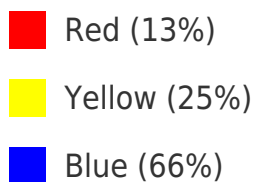
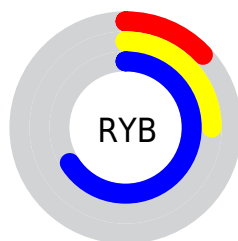
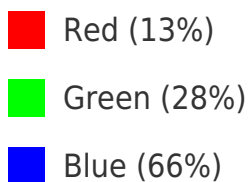
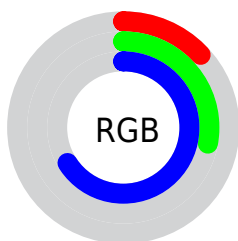
Format	Color
<a href="#">RYB</a>	<a href="#">32, 63, 169</a>
Decimal	<a href="#">2115753</a>
CIELab	<a href="#">33.58, 22.94, -55.96</a>
CIELCh	<a href="#">34, 60.482, 292.285</a>
Yxy	<a href="#">7.8064, 0.1786, 0.1384</a>
Android (android.graphics.Color)	<a href="#">4280305833</a> (0xFF2048A9)
YUV	<a href="#">71.0980, 48.2657, -34.2889</a>
Hunter-Lab	<a href="#">27.9399, 15.4680, -62.1665</a>

# Details

The Hex color **2048A9** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **A98120**, and the grayscale version is **474747**.

A 20% lighter version of the original color is **6478E1**, and **001E74** is the 20% darker color. If you saturate the color by 10%, you get **0F3CA9**, and if you desaturate by 10%, it is **3154A9**.

# Distribution



# Brightness & Saturation Gradients

These gradients show how the Hex color 2048A9 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 2048A9 by changing the saturation by 10% instead.



 2048A9

 2048A9

FFFFFF

 00328E

 6478E1

 001E74

 8291FE

 00085B

 9FACFF

 000742

 BCC7FF

 00032B

 DAE3FF

 000115


 F8FFFF

 000000

 2048A9

 2048A9

 0F3CA9

 3154A9

 0031A9

 4260A9

 536CA9

 6478A9

 7484A9

 8590A9

 969CA9

 A7A8A9

 B8B4A9

# Harmonies

## Analogous

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



0059AF



2048A9



7A2C8A

# Triad

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



2048A9



8D3100



006241

# Complementary

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



2048A9



A98120

# 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.



005F08



2048A9



6C4900

# Square

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



2048A9



9F0B2E



3F5700



006372

# Rectangle

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



2048A9



94116D



3F5700



006130



# Sweetspot

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



2048A9



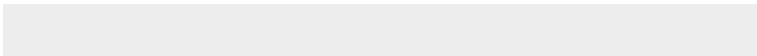
A7B6DB



20A980



4E576E



EDEDED



6E6E6E



# Same Dimension

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



2048A9



0745DB



3B20A9



4C4E54



002B94



000614



# Inverse Universe

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



A92048



DB0745



8EA920



544C4E



94002B



140006



# Previews

## White Background



This preview shows how the Hex color 2048A9 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



This preview shows how the Hex color 2048A9 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

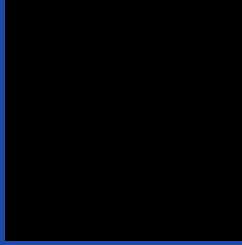
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2048A9 Background



This preview shows how black text looks on a background with the Hex color 2048A9.



This preview shows how white text looks on a background with the Hex color 2048A9.

# 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**  
2048A9





**Protanopia**  
004CA1

**Deuteranopia**  
00518A






**Tritanopia**  
00575D

# Trichromacy

	<b>Original Color</b> 2048A9
	<b>Protanomaly</b> 0C4BA4
	<b>Deuteranomaly</b> 0C4E95
	<b>Tritanomaly</b> 0C5279

# Monochromacy

	<b>Original Color</b> 2048A9
	<b>Achromatopsia</b> 474747
	<b>Achromatomaly</b> 39476B

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2048A9 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 #2048A9 looks like.

```
.text, #text, p{  
    color:#2048A9  
}
```

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 #2048A9 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2048A9
}
```

## Border

The CSS property to change the border of an element to Hex 2048A9 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
#2048A9 }
```

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

```
.border{ border-color:#2048A9 }
```

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

Here you see how a box with a 4 pixel #2048A9 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2048A9; -webkit-box-shadow:4px 4px  
4px 4px #2048A9; box-shadow:4px 4px 4px  
4px #2048A9 }
```

# Background

The CSS property to change the background color of an element to Hex 2048A9 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2048A9 }
```

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

```
.background{ background-color:#2048A9 }
```

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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