

Converting Colors

Hex(2048AC)

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

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Color

Hex(2048AC)

Conversions

Conversions Part 1

Format	Color
Hex	2048AC
RGB	32, 72, 172
RGB Percent	13%, 28%, 67%
CMY	0.8745, 0.7176, 0.3255
CMYK	0.81, 0.58, 0.00, 0.33
HSL	223°, 69%, 40%
HSV	223°, 81%, 67%
XYZ	10.3594, 7.9204, 40.0125
YIQ	71.4400, -55.9400, 22.6200

Conversions

Conversions Part 2

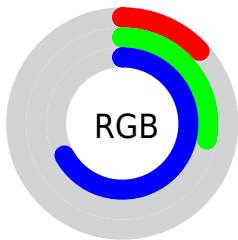
Format	Color
R_{YB}	32, 63, 172
Decimal	2115756
CIE _{Lab}	33.82, 24.11, -57.36
CIE _{LCh}	34, 62.225, 292.798
Yxy	7.9204, 0.1777, 0.1359
Android (android.graphics.Color)	4280305836 (0xFF2048AC)
YUV	71.4400, 49.5761, -34.5889
Hunter-Lab	28.1431, 16.4549, -64.5954

Details

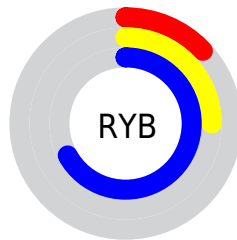
The Hex color **2048AC** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **AC8420**, and the grayscale version is **474747**.

A 20% lighter version of the original color is **6578E4**, and **001E77** is the 20% darker color. If you saturate the color by 10%, you get **0F3CAC**, and if you desaturate by 10%, it is **3154AC**.

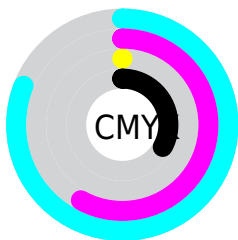
Distribution



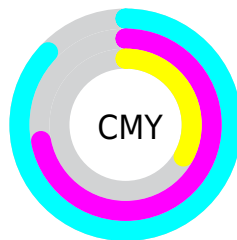
- Red (13%)
- Green (28%)
- Blue (67%)



- Red (13%)
- Yellow (25%)
- Blue (67%)



- Cyan (81%)
- Magenta (58%)
- Yellow (0%)
- Black (33%)



- Cyan (87%)
- Magenta (72%)
- Yellow (33%)

Brightness & Saturation Gradients

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

 2048AC

 2048AC

FFFFFF

 003291

 6578E4

 001E77

 8392FF

 00085D

 A0ACFF

 000845

 BEC7FF

 00032D

 DBE3FF

 000118


 F9FFFF

 000000

 2048AC

 2048AC

 0F3CAC

 3154AC

■ 0031AC

■ 4261AC

■ 546DAC

■ 6579AC

■ 7685AC

■ 8792AC

■ 989EAC

■ AAAAAC

■ BBB7AC

Harmonies

Analogous

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



005AB3



2048AC



7D2A8C

Triad

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



2048AC



8E3100



006342

Complementary

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



2048AC



AC8420

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.



006006



2048AC



6C4900

Square

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



2048AC



A1052D



3E5800



006475

Rectangle

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



2048AC



970A6E



3E5800



006230

Sweetspot

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



2048AC



ABBAE0



20AC82



505970



F0F0F0



707070

Same Dimension

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



2048AC



0443E0



3C20AC



4E5157



002B96



000717

Inverse Universe

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



AC2048



E00443



90AC20



574E51



96002B



170007

Previews

White Background



This preview shows how the Hex color 2048AC looks on a white background.

Color Contrast Check

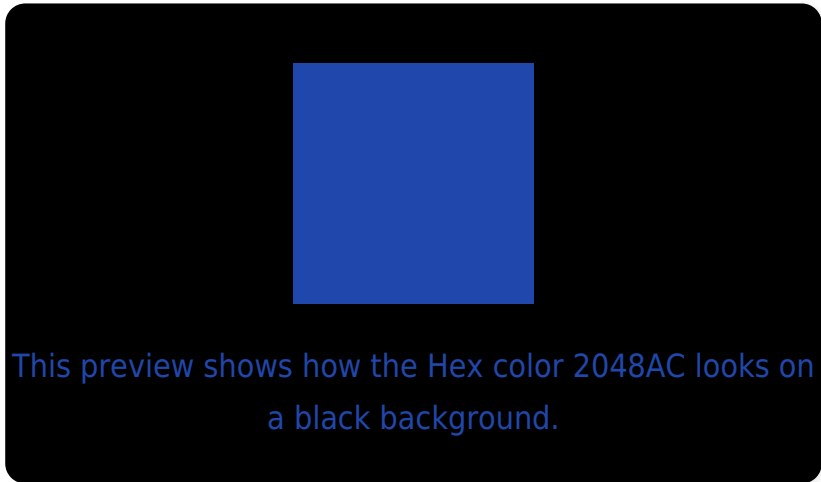
Large Text (above 18pt) WCAG AA ✓ Pass

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

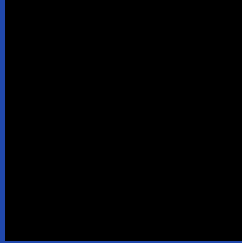
Any Text WCAG AA × Fail

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 2048AC Background



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



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

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
2048AC

Protanopia
004CA2

Deuteranopia
00518B

Trichromacy



Original Color
2048AC

Protanomaly
0C4BA6

Deuteranomaly
0C4E97

Tritanomaly
0C527A

Monochromacy



Original Color
2048AC

Achromatopsia
474747

Achromatomaly
39476C

CSS Examples

Text

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

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

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 #2048AC colored shadow looks like.

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

Border

The CSS property to change the border of an element to Hex 2048AC 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".

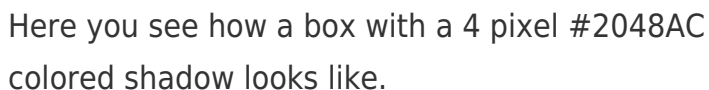
```
.border, #border, table{ border:4px solid
#2048AC }
```

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

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

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

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

A rectangular box with a blue border and a blue shadow. The box is white with a blue border and a blue shadow. The shadow is a 4px offset to the right and bottom of the box.

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

Background

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

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

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

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

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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