

Converting Colors

Hex(2048AE)

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

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Color

Hex(2048AE)

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | 2048AE |
| RGB | 32, 72, 174 |
| RGB Percent | 13%, 28%, 68% |
| CMY | 0.8745, 0.7176, 0.3176 |
| CMYK | 0.82, 0.59, 0.00, 0.32 |
| HSL | 223°, 69%, 40% |
| HSV | 223°, 82%, 68% |
| XYZ | 10.5530, 7.9978, 41.0319 |
| YIQ | 71.6680, -56.5820, 23.2420 |

Conversions

Conversions Part 2

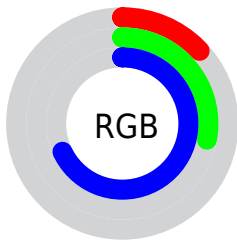
| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 32, 63, 174 |
| Decimal | 2115758 |
| CIELab | 33.98, 24.89, -58.29 |
| CIELCh | 34, 63.384, 293.124 |
| Yxy | 7.9978, 0.1771, 0.1342 |
| Android (android.graphics.Color) | 4280305838 (0xFF2048AE) |
| YUV | 71.6680, 50.4497, -34.7888 |
| Hunter-Lab | 28.2804, 17.1178, -66.2274 |

Details

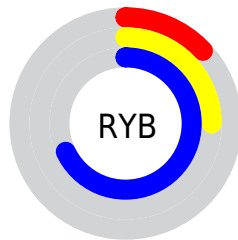
The Hex color **2048AE** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **AE8620**, and the grayscale version is **474747**.

A 20% lighter version of the original color is **6578E6**, and **001E78** is the 20% darker color. If you saturate the color by 10%, you get **0F3CAE**, and if you desaturate by 10%, it is **3154AE**.

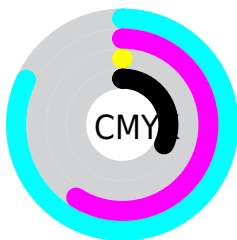
Distribution



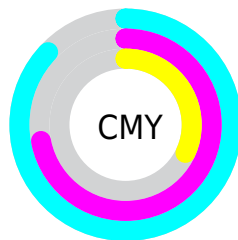
- Red (13%)
- Green (28%)
- Blue (68%)



- Red (13%)
- Yellow (25%)
- Blue (68%)



- Cyan (82%)
- Magenta (59%)
- Yellow (0%)
- Black (32%)



- Cyan (87%)
- Magenta (72%)
- Yellow (32%)

Brightness & Saturation Gradients

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

■ 2048AE

■ 2048AE

FFFFFF

■ 003293

■ 6578E6

■ 001E78

■ 8392FF

■ 00095F

■ A1ACFF

■ 000846

■ BEC7FF

■ 00042F

■ DCE3FF

■ 000119

■ FAFFFF

■ 000000

■ 2048AE

■ 2048AE

■ 0F3CAE

■ 3154AE

0031AE

4361AE

546DAE

667AAE

7786AE

8893AE

9A9FAE

ABACAE

BDB8AE

Harmonies

Analogous

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



005AB5



2048AE



7F298D

Triad

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



2048AE



8F3100



006442

Complementary

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



2048AE



AE8620

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.



006005



2048AE



6C4A00

Square

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



2048AE



A3012C



3D5900



006576

Rectangle

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



2048AE



99056E



3D5900



006330

Sweetspot

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



2048AE



ACBCE3



20AE86



515B73



F2F2F2



737373

Same Dimension

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



2048AE



0543E3



3F20AE



4E5057



002A96



000617

Inverse Universe

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



AE2048



E30543



8FAE20



574E50



96002A



170006

Previews

White Background



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

Color Contrast Check

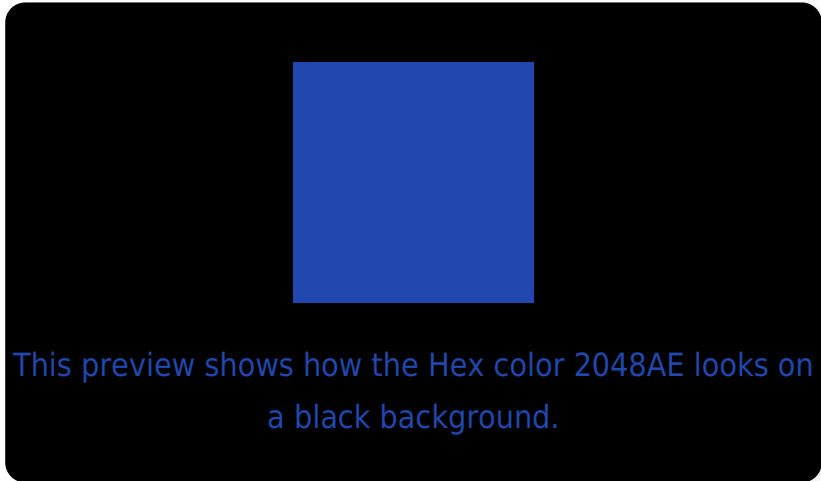
Large Text (above 18pt) WCAG AA ✓ Pass

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

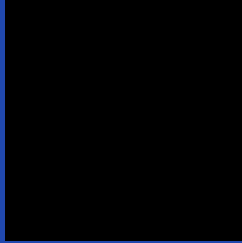
Any Text WCAG AA × Fail

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 2048AE Background



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



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

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
2048AE

Protanopia
004DA3

Deuteranopia
00528C



Tritanopia
00585E

Trichromacy



Original Color
2048AE

Protanomaly
0C4BA7

Deuteranomaly
0C4E98

Tritanomaly
0C527B

Monochromacy



Original Color
2048AE

Achromatopsia
484848

Achromatomaly
39486D

CSS Examples

Text

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

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

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 #2048AE colored shadow looks like.

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

Border

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

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

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

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

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

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

Background

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

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

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

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

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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