

Converting Colors

Hex(2046AF)

Have a look what the booklet for
Hex(2046AF) contains.

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Color

Hex(2046AF)

Conversions

Conversions Part 1

Format	Color
Hex	2046AF
RGB	32, 70, 175
RGB Percent	13%, 27%, 69%
CMY	0.8745, 0.7255, 0.3137
CMYK	0.82, 0.60, 0.00, 0.31
HSL	224°, 69%, 41%
HSV	224°, 82%, 69%
XYZ	10.5237, 7.7825, 41.5050
YIQ	70.6080, -56.3530, 24.5990

Conversions

Conversions Part 2

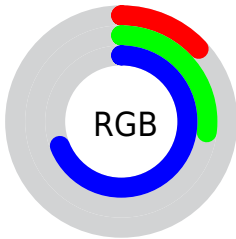
Format	Color
R_{YB}	32, 62, 175
Decimal	2115247
CIE _{Lab}	33.53, 26.62, -59.62
CIE _{LCh}	34, 65.297, 294.059
Yxy	7.7825, 0.1759, 0.1301
Android (android.graphics.Color)	4280305327 (0xFF2046AF)
YUV	70.6080, 51.4653, -33.8592
Hunter-Lab	27.8972, 18.5156, -68.6826




Details

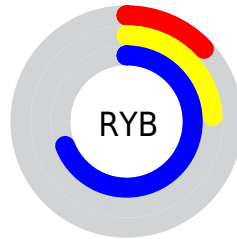
The Hex color **2046AF** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **AF8920**, and the grayscale version is **464646**.




A 20% lighter version of the original color is **6676E7**, and **001C79** is the 20% darker color. If you saturate the color by 10%, you get **0E39AF**, and if you desaturate by 10%, it is **3153AF**.

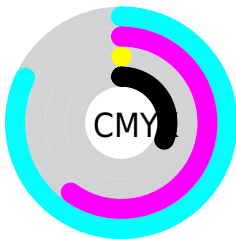
Distribution







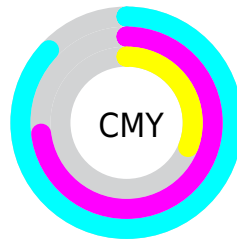
-  Red (13%)
-  Green (27%)
-  Blue (69%)






-  Red (13%)
-  Yellow (24%)
-  Blue (69%)



-  Cyan (82%)
-  Magenta (60%)
-  Yellow (0%)
-  Black (31%)



-  Cyan (87%)
-  Magenta (73%)
-  Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Hex color 2046AF 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 2046AF by changing the saturation by 10% instead.

■ 2046AF

■ 2046AF

FFFFFF

■ 003094

■ 6676E7

■ 001C79

■ 848FFF

■ 000660

■ A1AAFF

■ 000847

■ BFC5FF

■ 000430

■ DDE1FF

■ 00011A

■ FBFDFD

■ 000000

■ 2046AF

■ 2046AF

■ 0E39AF

■ 3153AF

■ 002FAF

■ 4360AF

■ 546DAF

■ 6679AF

■ 7886AF

■ 8993AF

■ 9BA0AF

■ ACADAF

■ BDBAAF

Harmonies

Analogous

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



0059B8



2046AF



80248D

Triad

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



2046AF



8E2F00



006343

Complementary

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



2046AF



AF8920

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.



006003



2046AF



6A4900

Square

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



2046AF



A30029



395800



006478

Rectangle

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



2046AF



9A006D



395800



006230

Sweetspot

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



2046AF



AAB9E3



20AF89



505973



F2F2F2



737373

Same Dimension

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



2046AF



0540E3



4120AF



4E5057



002896



000617

Inverse Universe

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



AF2046



E30540



8EAF20



574E50



960028



170006

Previews

White Background



This preview shows how the Hex color 2046AF looks on a white background.

Color Contrast Check

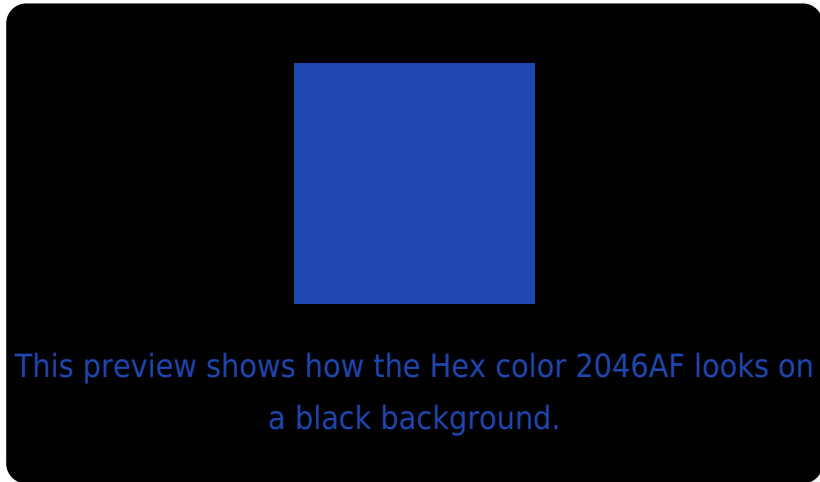
Large Text (above 18pt) WCAG AA ✓ Pass

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

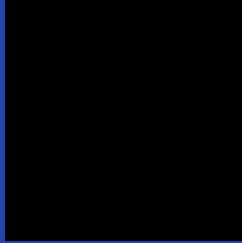
Any Text WCAG AA × Fail

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 2046AF Background



This preview shows how black text looks on a background with the Hex color 2046AF.



This preview shows how white text looks on a background with the Hex color 2046AF.

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
2046AF

Protanopia
004CA0

Deuteranopia
00518A

Trichromacy



Original Color
2046AF

Protanomaly
0C4AA5

Deuteranomaly
0C4D97

Tritanomaly
0C517B

Monochromacy



Original Color
2046AF

Achromatopsia
474747

Achromatomaly
39476D

CSS Examples

Text

The CSS property to change the color of the text to Hex 2046AF 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 #2046AF looks like.

```
.text, #text, p{  
    color:#2046AF  
}
```

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 #2046AF colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2046AF
}
```

Border

The CSS property to change the border of an element to Hex 2046AF 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".

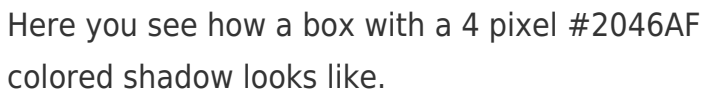
```
.border, #border, table{ border:4px solid
#2046AF }
```

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

```
.border{ border-color:#2046AF }
```

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

Here you see how a box with a 4 pixel #2046AF 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 #2046AF; -webkit-box-shadow:4px 4px  
4px 4px #2046AF; box-shadow:4px 4px 4px  
4px #2046AF }
```

Background

The CSS property to change the background color of an element to Hex 2046AF is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2046AF }
```

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

```
.background{ background-color:#2046AF }
```

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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