

Converting Colors

Hex(046AC8)

Have a look what the booklet for
Hex(046AC8) contains.

Hex(046AC8)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	28

Color

Hex(046AC8)

Conversions

Conversions Part 1

Format	Color
Hex	046AC8
RGB	4, 106, 200
RGB Percent	2%, 42%, 78%
CMY	0.9843, 0.5843, 0.2157
CMYK	0.98, 0.47, 0.00, 0.22
HSL	209°, 96%, 40%
HSV	209°, 98%, 78%
XYZ	15.6294, 14.5040, 56.6194
YIQ	86.2180, -90.9660, 7.6100

Conversions

Conversions Part 2

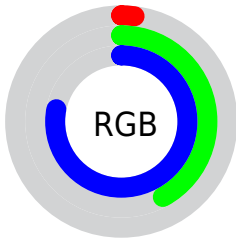
Format	Color
RYB	4, 71, 200
Decimal	289480
CIELab	44.95, 11.23, -55.75
CIELCh	45, 56.867, 281.385
Yxy	14.5040, 0.1802, 0.1672
Android (android.graphics.Color)	4278479560 (0xFF046AC8)
YUV	86.2180, 56.0945, -72.1052
Hunter-Lab	38.0841, 6.6078, -61.4871

Details

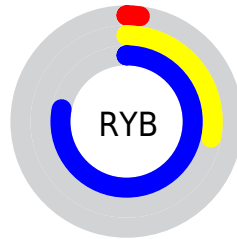
The Hex color **046AC8** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **C86204**, and the grayscale version is **565656**.

A 20% lighter version of the original color is **629DFF**, and **003C91** is the 20% darker color. If you saturate the color by 10%, you get **0068C8**, and if you desaturate by 10%, it is **1874C8**.

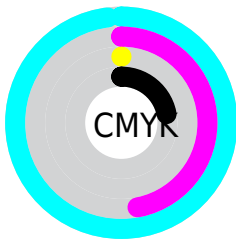
Distribution



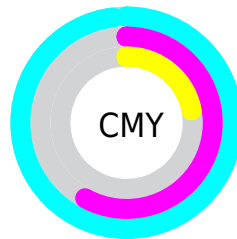
- Red (2%)
- Green (42%)
- Blue (78%)



- Red (2%)
- Yellow (28%)
- Blue (78%)



- Cyan (98%)
- Magenta (47%)
- Yellow (0%)
- Black (22%)



- Cyan (98%)
- Magenta (58%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Hex color 046AC8 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 046AC8 by changing the saturation by 10% instead.

046AC8

046AC8

FFFFFF

0052AC

629DFF

003C91

82B7FF

002777

A1D3FF

00145E

BFEFFF

000845

DDEFFF

00042E

FCFFFF

000118

000000

046AC8

046AC8

■ 0068C8

■ 1874C8

■ 2C7DC8

■ 4087C8

■ 5490C8

■ 689AC8

■ 7CA4C8

■ 90ADC8

■ A4B7C8

■ B8C0C8

Harmonies

Analogous

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



0078C4



046AC8



8355B2

Triad

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



046AC8



B4482D



007E4A

Complementary

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



046AC8



C86204

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.



3A781A



046AC8



985D00

Square

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



046AC8



BE375A



706E00



00807C

Rectangle

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



046AC8



A44599



706E00



007D3A

Sweetspot

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



046AC8



B5DCFF



04C85F



536A80



000000



808080

Same Dimension

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



046AC8



0085FF



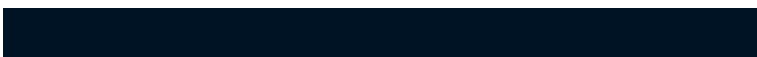
040BC8



5A5F63



0055A3



001324

Inverse Universe

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



C8046A



FF0085



C8C104



635A5F



A30055



240013

Previews

White Background



This preview shows how the Hex color 046AC8 looks on a white background.

Color Contrast Check

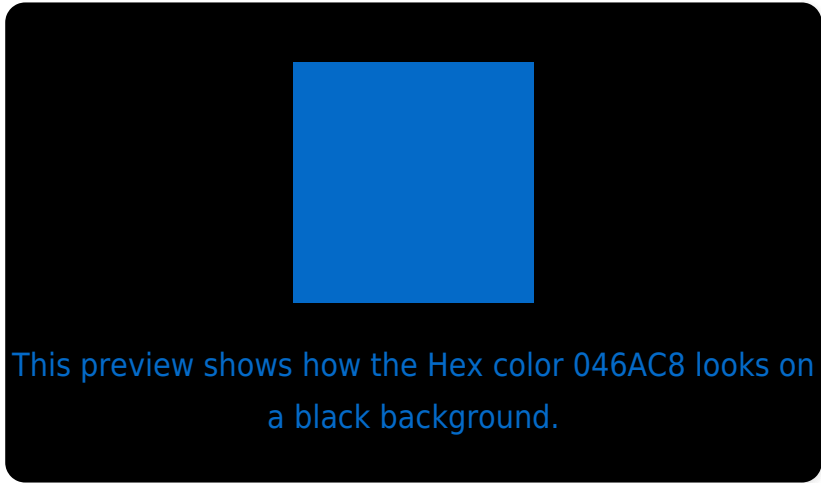
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

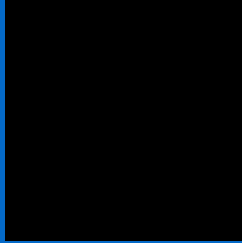
Any Text WCAG AA × Fail

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 046AC8 Background



This preview shows how black text looks on a background with the Hex color 046AC8.



This preview shows how white text looks on a background with the Hex color 046AC8.

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



Trichromacy



Original Color
046AC8

Protanomaly
2668C6

Deuteranomaly
016BC2

Monochromacy



Original Color
046AC8

Achromatopsia
565656

Achromatomaly
385D7F

CSS Examples

Text

The CSS property to change the color of the text to Hex 046AC8 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 #046AC8 looks like.

```
.text, #text, p{  
    color:#046AC8  
}
```

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 #046AC8 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #046AC8
}
```

Border

The CSS property to change the border of an element to Hex 046AC8 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
#046AC8 }
```

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

```
.border{ border-color:#046AC8 }
```

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

Here you see how a box with a 4 pixel #046AC8 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #046AC8; -webkit-box-shadow:4px 4px  
4px 4px #046AC8; box-shadow:4px 4px 4px  
4px #046AC8 }
```

Background

The CSS property to change the background color of an element to Hex 046AC8 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#046AC8 }
```

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

```
.background{ background-color:#046AC8 }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor