

Converting Colors

Hex(4050B2)

Have a look what the booklet for
Hex(4050B2) contains.

Hex(4050B2)	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>	29

Color

Hex(4050B2)

Conversions

Conversions Part 1	
Format	Color
Hex	4050B2
RGB	64, 80, 178
RGB Percent	25%, 31%, 70%
CMY	0.7490, 0.6863, 0.3020
CMYK	0.64, 0.55, 0.00, 0.30
HSL	232°, 47%, 47%
HSV	232°, 64%, 70%
XYZ	13.0189, 10.0417, 43.3715
YIQ	86.3880, -40.9940, 27.0860

Conversions

Conversions Part 2

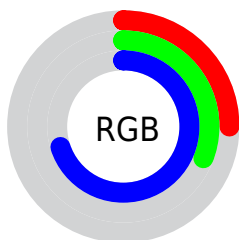
Format	Color
RYB	64, 78, 178
Decimal	4214962
CIELab	37.92, 25.34, -54.20
CIELCh	38, 59.827, 295.058
Yxy	10.0417, 0.1960, 0.1512
Android (android.graphics.Color)	4282405042 (0xFF4050B2)
YUV	86.3880, 45.1647, -19.6343
Hunter-Lab	31.6886, 17.8797, -58.9671

Details

The Hex color **4050B2** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **B2A240**, and the grayscale version is **565656**.

A 20% lighter version of the original color is **7B81EA**, and **00247C** is the 20% darker color. If you saturate the color by 10%, you get **2E41B2**, and if you desaturate by 10%, it is **525FB2**.

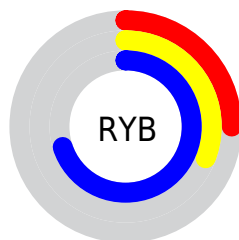
Distribution



Red (25%)

Green (31%)

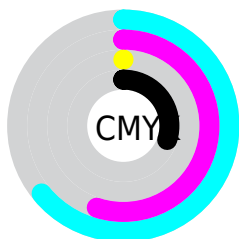
Blue (70%)



Red (25%)

Yellow (31%)

Blue (70%)

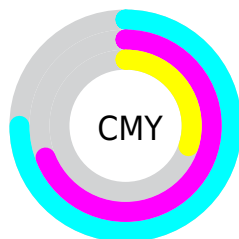


Cyan (64%)

Magenta (55%)

Yellow (0%)

Black (30%)



Cyan (75%)

Magenta (69%)

Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the Hex color 4050B2 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 4050B2 by changing the saturation by 10% instead.

 4050B2

FFFFFF

 7B81EA

 989BFF

 B5B6FF

 D2D1FF

 F0EEFF

 4050B2

 1C3997

 00247C

 001163

 00004A

 000433

 00021D

 000000

 4050B2

 2E41B2

 4050B2

 525FB2

 1C31B2

 646FB2

 0B22B2

 757EB2

 0019B2

 878DB2

 999DB2

 ABACB2

 BDBBB2

 CECAB2

 E0DAB2

Harmonies

Analogous

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



0062BB



4050B2



8A3591

Triad

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



4050B2



963F00



006D4F

Complementary

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



4050B2



B2A240

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.



006A1B



4050B2



745500

Square

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



4050B2



AB2334



466200



006E81

Rectangle

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



4050B2



A22174



466200



006D3E

Sweetspot

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



4050B2



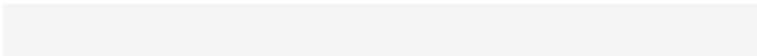
BCC2E8



40B2A1



5A5E75



F5F5F5



757575

Same Dimension

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



4050B2



354EE8



6840B2



505259



001599



00041A

Inverse Universe

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



B24050



E8354E



8AB240



595052



990015



1A0004

Previews

White Background



This preview shows how the Hex color 4050B2 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



This preview shows how the Hex color 4050B2 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

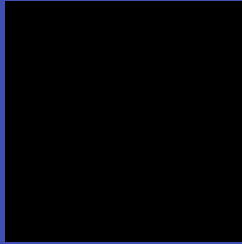
Any Text WCAG AA × Fail

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 4050B2 Background



This preview shows how black text looks on a background with the Hex color 4050B2.



This preview shows how white text looks on a background with the Hex color 4050B2.

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
4050B2





Protanopia
0056B6

Deuteranopia
005B9E




Tritanopia
12626A

Trichromacy

	Original Color 4050B2
	Protanomaly 1754B5
	Deuteranomaly 1757A5
	Tritanomaly 235B84

Monochromacy

	Original Color 4050B2
	Achromatopsia 565656
	Achromatomaly 4E5477

CSS Examples

Text

The CSS property to change the color of the text to Hex 4050B2 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 #4050B2 looks like.

```
.text, #text, p{  
    color:#4050B2  
}
```

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 #4050B2 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #4050B2
}
```

Border

The CSS property to change the border of an element to Hex 4050B2 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
#4050B2 }
```

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

```
.border{ border-color:#4050B2 }
```

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

Here you see how a box with a 4 pixel #4050B2 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #4050B2; -webkit-box-shadow:4px 4px  
4px 4px #4050B2; box-shadow:4px 4px 4px  
4px #4050B2 }
```

Background

The CSS property to change the background color of an element to Hex 4050B2 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#4050B2 }
```

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

```
.background{ background-color:#4050B2 }
```

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