

# Converting Colors

Hex(2045BE)

Have a look what the booklet for  
Hex(2045BE) contains.

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# Color

Hex(2045BE)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	2045BE
RGB	32, 69, 190
RGB Percent	13%, 27%, 75%
CMY	0.8745, 0.7294, 0.2549
CMYK	0.83, 0.64, 0.00, 0.25
HSL	226°, 71%, 44%
HSV	226°, 83%, 75%
XYZ	12.0180, 8.2810, 49.6802
YIQ	71.7310, -60.8930, 29.7870

# Conversions

## Conversions Part 2

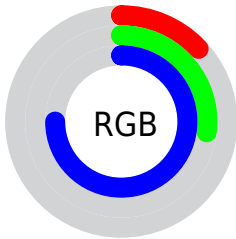
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	32, 62, 190
Decimal	2115006
CIE <sub>Lab</sub>	34.56, 33.02, -66.80
CIE <sub>LCh</sub>	35, 74.512, 296.306
Yxy	8.2810, 0.1717, 0.1183
Android (android.graphics.Color)	4280305086 (0xFF2045BE)
YUV	71.7310, 58.3066, -34.8441
Hunter-Lab	28.7768, 24.1876, -82.2144

# Details

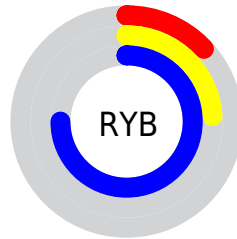
The Hex color **2045BE** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **BE9920**, and the grayscale version is **474747**.

A 20% lighter version of the original color is **6A75F7**, and **001B87** is the 20% darker color. If you saturate the color by 10%, you get **0D36BE**, and if you desaturate by 10%, it is **3354BE**.

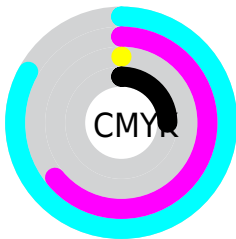
# Distribution



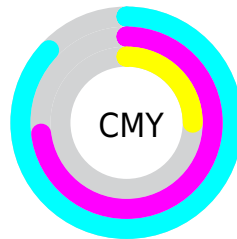
- Red (13%)
- Green (27%)
- Blue (75%)



- Red (13%)
- Yellow (24%)
- Blue (75%)



- Cyan (83%)
- Magenta (64%)
- Yellow (0%)
- Black (25%)



- Cyan (87%)
- Magenta (73%)
- Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2045BE 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 2045BE by changing the saturation by 10% instead.



■ 2045BE

■ 2045BE

FFFFFF

■ 002FA2

■ 6A75F7

■ 001B87

■ 898EFF

■ 00076D

■ A7A9FF

■ 000454

■ C5C4FF

■ 00063C

■ E4E0FF

■ 000225

FFFDFF

■ 00010E

■ 000000

■ 2045BE

■ 2045BE

0D36BE

3354BE

002CBE

4662BE

5971BE

6C7FBE

7F8EBE

929CBE

A5ABBE

B8B9BE

CBC8BE

# Harmonies

## Analogous

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



005CCA



2045BE



8E1194

# Triad

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



2045BE



952E00



006748

# Complementary

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



2045BE



BE9920

# 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.



006400



2045BE



6A4D00

# Square

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



2045BE



AF0022



2F5D00



006885

# Rectangle

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



2045BE



A9006F



2F5D00



006733



# Sweetspot

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



2045BE



BAC8F7



20BE97



57607D



FCFCFC



7D7D7D



# Same Dimension

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



2045BE



003AF7



4720BE



55575E



00259E



00071F



# Inverse Universe

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



BE2045



F7003A



97BE20



5E5557



9E0025



1F0007



# Previews

## White Background



This preview shows how the Hex color 2045BE looks on a white background.

## Color Contrast Check

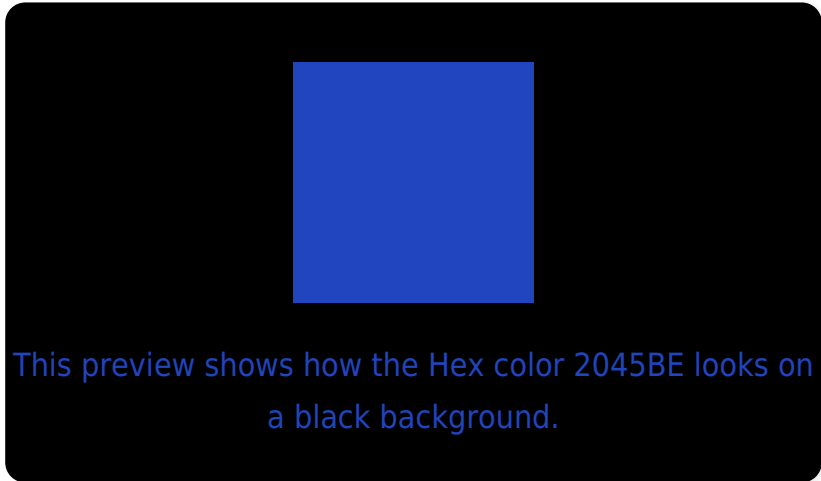
Large Text (above 18pt) WCAG AA ✓ Pass

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

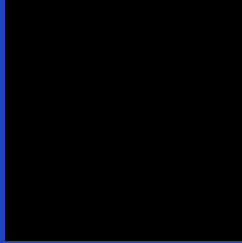
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 2045BE Background



This preview shows how black text looks on a background with the Hex color 2045BE.

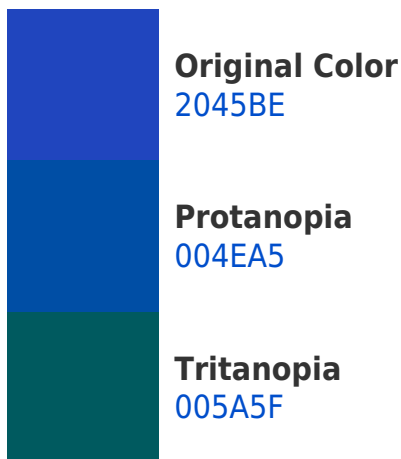


This preview shows how white text looks on a background with the Hex color 2045BE.

# 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**  
2045BE

**Protanomaly**  
0C4BAE

**Tritanomaly**  
0C5282

# Monochromacy



**Original Color**  
2045BE

**Achromatopsia**  
484848

**Achromatomaly**  
394773

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2045BE 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 #2045BE looks like.

```
.text, #text, p{  
    color:#2045BE  
}
```

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 #2045BE colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2045BE
}
```

## Border

The CSS property to change the border of an element to Hex 2045BE 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
#2045BE }
```

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

```
.border{ border-color:#2045BE }
```

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

Here you see how a box with a 4 pixel #2045BE colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2045BE; -webkit-box-shadow:4px 4px  
4px 4px #2045BE; box-shadow:4px 4px 4px  
4px #2045BE }
```

# Background

The CSS property to change the background color of an element to Hex 2045BE is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2045BE }
```

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

```
.background{ background-color:#2045BE }
```

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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