

# Converting Colors

Hex(2047E2)

Have a look what the booklet for  
Hex(2047E2) contains.

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# Color

**Hex(2047E2)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	2047E2
RGB	32, 71, 226
RGB Percent	13%, 28%, 89%
CMY	0.8745, 0.7216, 0.1137
CMYK	0.86, 0.69, 0.00, 0.11
HSL	228°, 77%, 51%
HSV	228°, 86%, 89%
XYZ	16.5764, 10.3045, 73.0668
YIQ	77.0090, -72.9990, 39.9370

# Conversions

## Conversions Part 2

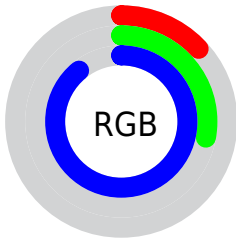
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	32, 64, 226
Decimal	2115554
CIE Lab	38.38, 44.94, -81.33
CIE LCh	38, 92.925, 298.923
Yxy	10.3045, 0.1659, 0.1031
Android (android.graphics.Color)	4280305634 (0xFF2047E2)
YUV	77.0090, 73.4526, -39.4729
Hunter-Lab	32.1007, 35.9988, -112.4840




# Details

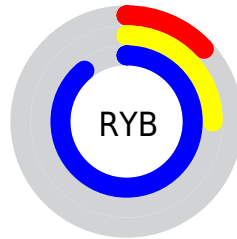
The Hex color **2047E2** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark washed blue. A complement of this color would be **E2BB20**, and the grayscale version is **4C4C4C**.




A 20% lighter version of the original color is **7478FF**, and **001CA9** is the 20% darker color. If you saturate the color by 10%, you get **0935E2**, and if you desaturate by 10%, it is **3759E2**.

# Distribution







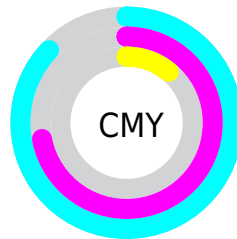
-  Red (13%)
-  Green (28%)
-  Blue (89%)






-  Red (13%)
-  Yellow (25%)
-  Blue (89%)



-  Cyan (86%)
-  Magenta (69%)
-  Yellow (0%)
-  Black (11%)



-  Cyan (87%)
-  Magenta (72%)
-  Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2047E2 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 2047E2 by changing the saturation by 10% instead.



■ 2047E2

■ 2047E2

FFFFFF

■ 0031C5

■ 7478FF

■ 001CA9

■ 9491FF

■ 000A8E

■ B4ACFF

■ 000073

■ D4C8FF

■ 000D59

■ F3E4FF

■ 000741

■ 00032A

■ 000114

■ 000000

■ 2047E2

■ 2047E2

■ 0935E2

■ 3759E2

■ 002DE2

■ 4D6BE2

■ 647DE2

■ 7A8FE2

■ 91A1E2

■ A8B3E2

■ BEC5E2

■ D5D7E2

■ EBEAE2

# Harmonies

## Analogous

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



0068F6



2047E2



AC00AA

# Triad

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



2047E2



A92E00



007556

# Complementary

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



2047E2



E2BB20

# 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.



007100



2047E2



715700

# Square

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



2047E2



CD0018



186A00



0076A3

# Rectangle

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



2047E2



CB007A



186A00



00743B



# Sweetspot

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



2047E2



BDCAFF



20E2B8



586080



000000



808080



# Same Dimension

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



2047E2



0033FF



5720E2



656770



0023B0



000A30



# Inverse Universe

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



E22047



FF0033



ABE220



706567



B00023



30000A



# Previews

## White Background



This preview shows how the Hex color 2047E2 looks on a white background.

## Color Contrast Check

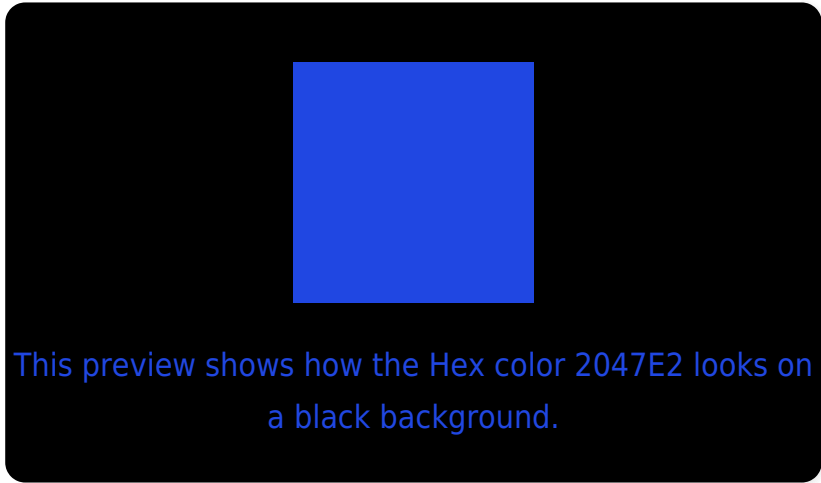
Large Text (above 18pt) WCAG AA ✓ Pass

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

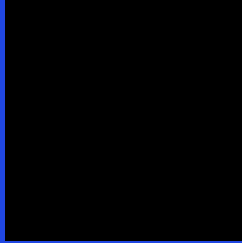
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2047E2 Background



This preview shows how black text looks on a background with the Hex color 2047E2.



This preview shows how white text looks on a background with the Hex color 2047E2.

# 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**  
2047E2

**Protanomaly**  
0C51C6

**Deuteranomaly**  
0C54B5

**Tritanomaly**  
0C5995

# Monochromacy



**Original Color**  
2047E2

**Achromatopsia**  
4D4D4D

**Achromatomaly**  
3D4B83

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2047E2 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 #2047E2 looks like.

```
.text, #text, p{  
    color:#2047E2  
}
```

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 #2047E2 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2047E2
}
```

## Border

The CSS property to change the border of an element to Hex 2047E2 is called "border". The border property can be set on classes, ids or directly on the HTML element.

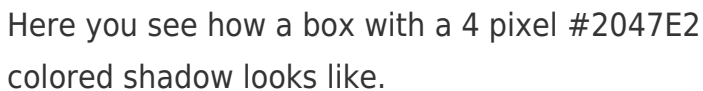
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#2047E2 }
```

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

```
.border{ border-color:#2047E2 }
```

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



Here you see how a box with a 4 pixel #2047E2 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2047E2; -webkit-box-shadow:4px 4px  
4px 4px #2047E2; box-shadow:4px 4px 4px  
4px #2047E2 }
```

# Background

The CSS property to change the background color of an element to Hex 2047E2 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2047E2 }
```

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

```
.background{ background-color:#2047E2 }
```

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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