

# Converting Colors

Hex(2011E7)

Have a look what the booklet for  
Hex(2011E7) contains.

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# Color

**Hex(2011E7)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	2011E7
RGB	32, 17, 231
RGB Percent	13%, 7%, 91%
CMY	0.8745, 0.9333, 0.0941
CMYK	0.86, 0.93, 0.00, 0.09
HSL	244°, 86%, 49%
HSV	244°, 93%, 91%
XYZ	15.2199, 6.4775, 76.0494
YIQ	45.8810, -59.7540, 69.7340

# Conversions

## Conversions Part 2

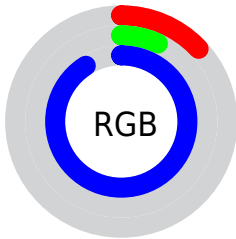
<b>Format</b>	<b>Color</b>
<b>R<sub>Y</sub>B</b>	32, 17, 231
Decimal	2101735
CIE <sub>Lab</sub>	30.59, 70.71, -97.13
CIE <sub>LCh</sub>	31, 120.142, 306.055
Yxy	6.4775, 0.1557, 0.0663
Android (android.graphics.Color)	4280291815 (0xFF2011E7)
YUV	45.8810, 91.2637, -12.1736
Hunter-Lab	25.4509, 62.2057, -159.3476

# Details

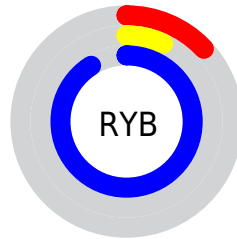
The Hex color **2011E7** is a dark color, and the websafe version is hex **3333FF**. The color can be described as dark washed blue. A complement of this color would be **D8E711**, and the grayscale version is **2D2D2D**.

A 20% lighter version of the original color is **794BFF**, and **0000AE** is the 20% darker color. If you saturate the color by 10%, you get **1000E7**, and if you desaturate by 10%, it is **3528E7**.

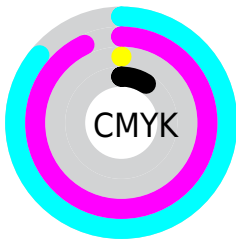
# Distribution



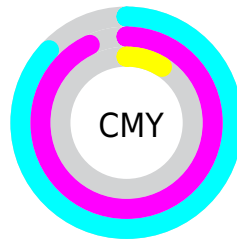
- Red (13%)
- Green (7%)
- Blue (91%)



- Red (13%)
- Yellow (7%)
- Blue (91%)



- Cyan (86%)
- Magenta (93%)
- Yellow (0%)
- Black (9%)



- Cyan (87%)
- Magenta (93%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2011E7 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 2011E7 by changing the saturation by 10% instead.



■ 2011E7

■ 2011E7

FFFFFF

■ 0000CA

■ 794BFF

■ 0000AE

■ 9B66FF

■ 000092

■ BC81FF

■ 000077

■ DC9DFF

■ 000E5D

■ FCB9FF

■ 000844

■ FFD5FF

■ 00032D

■ FFF2FF

■ 000117

■ 000000

■ 2011E7

■ 2011E7

■ 1000E7

■ 3528E7

■ 4B3FE7

■ 6056E7

■ 766DE7

■ 8B84E7

■ A19CE7

■ B6B3E7

■ CCCAE7

■ E1E1E7

# Harmonies

## Analogous

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



0057FF



2011E7



BA0097

# Triad

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



2011E7



911400



00625A

# Complementary

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



2011E7



D8E711

# 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.



006000



2011E7



484C00

# Square

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



2011E7



C40000



005B00



0066B9

# Rectangle

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



2011E7



D50059



005B00



006139



# Sweetspot

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



2011E7



BDB8FF



11D9E7



575480



000000



808080



# Same Dimension

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



2011E7



1200FF



8A11E7



686773



0D00B3



040033



# Inverse Universe

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



E711D8



FF00ED



6EE711



736772



B300A6

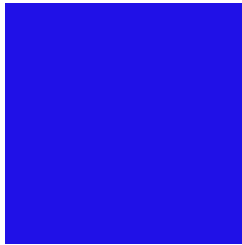


33002F



# Previews

## White Background



This preview shows how the Hex color 2011E7 looks on a white background.

## Color Contrast Check

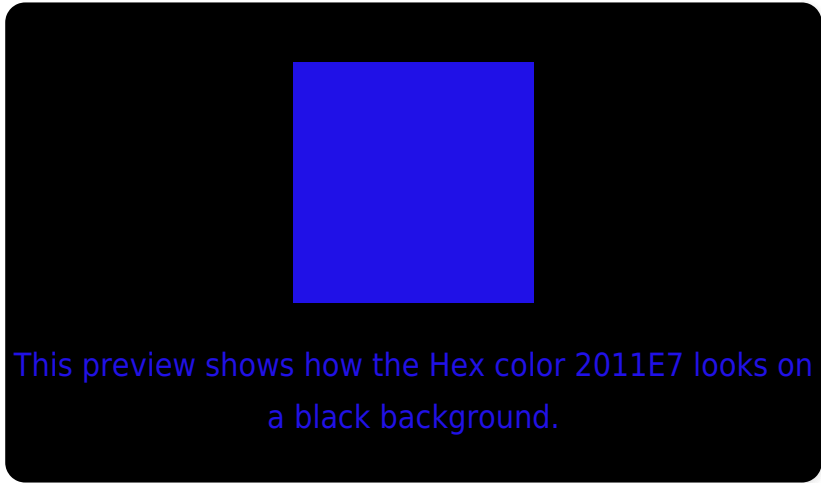
Large Text (above 18pt) WCAG AA ✓ Pass

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

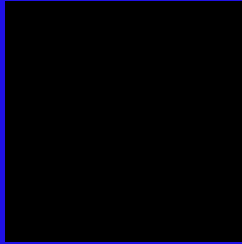
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2011E7 Background



This preview shows how black text looks on a background with the Hex color 2011E7.



This preview shows how white text looks on a background with the Hex color 2011E7.

# 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**  
2011E7

**Protanomaly**  
0C33B1

**Deuteranomaly**  
0C35A3

**Tritanomaly**  
0C3989

# Monochromacy



**Original Color**  
2011E7

**Achromatopsia**  
2E2E2E

**Achromatomaly**  
292371

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2011E7 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 #2011E7 looks like.

```
.text, #text, p{  
    color:#2011E7  
}
```

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 #2011E7 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2011E7
}
```

## Border

The CSS property to change the border of an element to Hex 2011E7 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
#2011E7 }
```

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

```
.border{ border-color:#2011E7 }
```

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

Here you see how a box with a 4 pixel #2011E7 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2011E7; -webkit-box-shadow:4px 4px  
4px 4px #2011E7; box-shadow:4px 4px 4px  
4px #2011E7 }
```

# Background

The CSS property to change the background color of an element to Hex 2011E7 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2011E7 }
```

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

```
.background{ background-color:#2011E7 }
```

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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