

Converting Colors

Hex(2000EC)

Have a look what the booklet for
Hex(2000EC) contains.

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Color

Hex(2000EC)

Conversions

Conversions Part 1

Format	Color
Hex	2000EC
RGB	32, 0, 236
RGB Percent	13%, 0%, 93%
CMY	0.8745, 1.0000, 0.0745
CMYK	0.86, 1.00, 0.00, 0.07
HSL	248°, 100%, 46%
HSV	248°, 100%, 93%
XYZ	15.7360, 6.3632, 79.7557
YIQ	36.4720, -56.6840, 80.1800

Conversions

Conversions Part 2

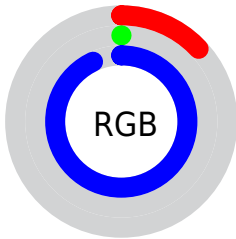
Format	Color
RYB	32, 0, 236
Decimal	2097388
CIELab	30.31, 74.93, -100.44
CIELCh	30, 125.313, 306.725
Yxy	6.3632, 0.1545, 0.0625
Android (android.graphics.Color)	4280287468 (0xFF2000EC)
YUV	36.4720, 98.3673, -3.9219
Hunter-Lab	25.2254, 67.2066, -169.8008

Details

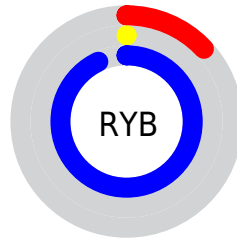
The Hex color **2000EC** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark washed blue. A complement of this color would be **CCEC00**, and the grayscale version is **242424**.

A 20% lighter version of the original color is **7B46FF**, and **0000B2** is the 20% darker color. If you saturate the color by 10%, you get **2000EC**, and if you desaturate by 10%, it is **3418EC**.

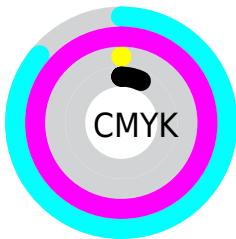
Distribution



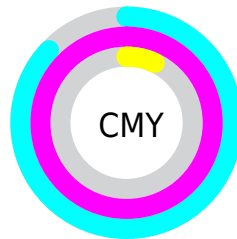
- Red (13%)
- Green (0%)
- Blue (93%)



- Red (13%)
- Yellow (0%)
- Blue (93%)



- Cyan (86%)
- Magenta (100%)
- Yellow (0%)
- Black (7%)



- Cyan (87%)
- Magenta (100%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Hex color 2000EC 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 2000EC by changing the saturation by 10% instead.

 2000EC

 2000EC

FFFFFF

 0000CF

 7B46FF

 0000B2

 9D61FF

 000096

 BE7CFF

 00007B


 DF98FF

 000F61

 FFB4FF

 000848

 FFD1FF

 000431

 FFEEFF

 00011B

 000000

 2000EC

 3418EC

 492FEC

 5D47EC

 725EEC

 8676EC

 9A8EEC

 AFA5EC

 C3BDEC

 D8D4EC

Harmonies

Analogous

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



0057FF



2000EC



BF0097

Triad

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



2000EC



911100



00625D

Complementary

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



2000EC



CCEC00

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



2000EC



444C00

Square

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



2000EC



C60000



005B00



0066BF

Rectangle

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



2000EC



DA0057



005B00



00613A

Sweetspot

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



2000EC



BDB3FF



00CDEC



585280



000000



808080

Same Dimension

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



2000EC



2300FF



9500EC



6B6A75



1900B5



070036

Inverse Universe

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



EC00CC



FF00DC



57EC00



756A74



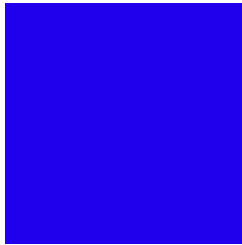
B5009D



36002E

Previews

White Background



This preview shows how the Hex color 2000EC looks on a white background.

Color Contrast Check

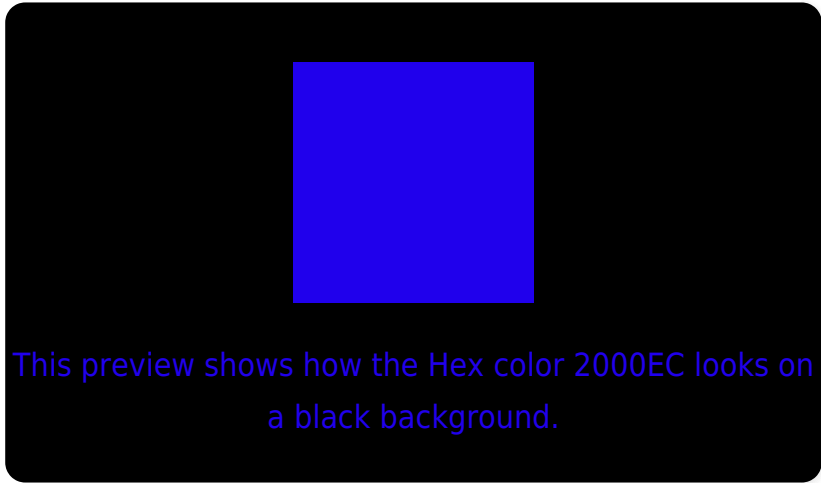
Large Text (above 18pt) WCAG AA ✓ Pass

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

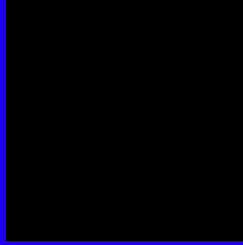
Any Text WCAG AA × Fail

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 2000EC Background



This preview shows how black text looks on a background with the Hex color 2000EC.



This preview shows how white text looks on a background with the Hex color 2000EC.

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
2000EC

Protanopia
004693

Deuteranopia
004B7C

Trichromacy



Original Color
2000EC

Protanomaly
0C2DB3

Deuteranomaly
0C30A5

Monochromacy



Original Color
2000EC

Achromatopsia
242424

Achromatomaly
23176D

CSS Examples

Text

The CSS property to change the color of the text to Hex 2000EC 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 #2000EC looks like.

```
.text, #text, p{  
    color:#2000EC  
}
```

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 #2000EC colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2000EC
}
```

Border

The CSS property to change the border of an element to Hex 2000EC 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".

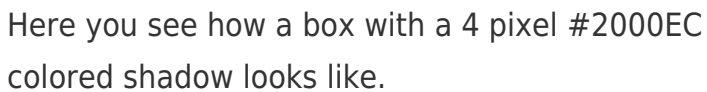
```
.border, #border, table{ border:4px solid
#2000EC }
```

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

```
.border{ border-color:#2000EC }
```

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

Here you see how a box with a 4 pixel #2000EC colored shadow looks like.

A rectangular box with a thick blue border and a blue shadow. The box is white with a blue border and a blue shadow. The shadow is a 4px offset to the right and bottom of the box.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2000EC; -webkit-box-shadow:4px 4px  
4px 4px #2000EC; box-shadow:4px 4px 4px  
4px #2000EC }
```

Background

The CSS property to change the background color of an element to Hex 2000EC is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2000EC }
```

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

```
.background{ background-color:#2000EC }
```

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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