

# Converting Colors

Hex(2156E5)

Have a look what the booklet for  
Hex(2156E5) contains.

<b>Hex(2156E5)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

**Hex(2156E5)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	2156E5
RGB	33, 86, 229
RGB Percent	13%, 34%, 90%
CMY	0.8706, 0.6627, 0.1020
CMYK	0.86, 0.62, 0.00, 0.10
HSL	224°, 79%, 51%
HSV	224°, 86%, 90%
XYZ	18.0978, 12.6361, 75.6139
YIQ	86.4550, -77.4910, 33.2370

# Conversions

## Conversions Part 2

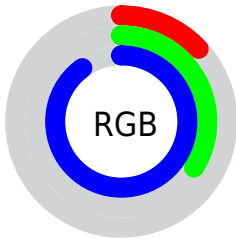
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	33, 75, 229
Decimal	2184933
CIE <sub>Lab</sub>	42.21, 36.75, -76.75
CIE <sub>LCh</sub>	42, 85.093, 295.585
Yxy	12.6361, 0.1702, 0.1188
Android (android.graphics.Color)	4280375013 (0xFF2156E5)
YUV	86.4550, 70.2747, -46.8800
Hunter-Lab	35.5472, 28.6705, -101.2350

# Details

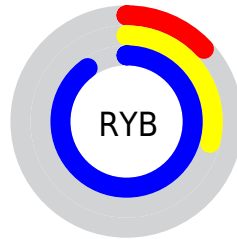
The Hex color **2156E5** is a dark color, and the websafe version is hex **3366FF**. The color can be described as dark washed blue. A complement of this color would be **E5B021**, and the grayscale version is **565656**.

A 20% lighter version of the original color is **7487FF**, and **002AAC** is the 20% darker color. If you saturate the color by 10%, you get **0A45E5**, and if you desaturate by 10%, it is **3867E5**.

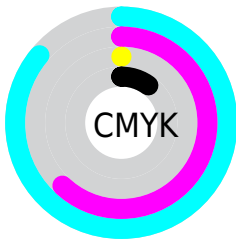
# Distribution



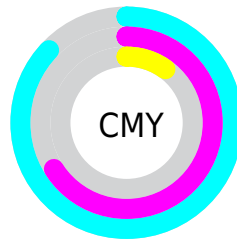
- Red (13%)
- Green (34%)
- Blue (90%)



- Red (13%)
- Yellow (29%)
- Blue (90%)



- Cyan (86%)
- Magenta (62%)
- Yellow (0%)
- Black (10%)



- Cyan (87%)
- Magenta (66%)
- Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2156E5 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 2156E5 by changing the saturation by 10% instead.



■ 2156E5

■ 2156E5

FFFFFF

■ 003FC8

■ 7487FF

■ 002AAC

■ 94A1FF

■ 001891

■ B4BCFF

■ 000276

■ D3D8FF

■ 000B5C

■ F2F4FF

■ 000744

■ 00032D

■ 000117

■ 000000

■ 2156E5

■ 2156E5

■ 0A45E5

■ 3867E5

■ 003EE5

■ 4F77E5

■ 6688E5

■ 7D99E5

■ 94AAE5

■ AABAE5

■ C1CBE5

■ D8DCE5

■ EFECE5

# Harmonies

## Analogous

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



0071F3



2156E5



AA1CB4

# Triad

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



2156E5



B53800



007E57

# Complementary

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



2156E5



E5B021

# 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.



007A00



2156E5



835E00

# Square

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



2156E5



D4002D



3E7100



007F9F

# Rectangle

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



2156E5



CB0089



3E7100



007D3E



# Sweetspot

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



2156E5



BDCFF



21E5AD



586380



000000



808080



# Same Dimension

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



2156E5



0045FF



4B21E5



676A73



0030B3



000E33



# Inverse Universe

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



E52156



FF0045



BBE521



73676A



B30030



33000E



# Previews

## White Background



This preview shows how the Hex color 2156E5 looks on a white background.

## Color Contrast Check

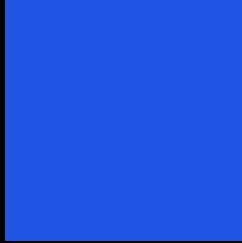
Large Text (above 18pt) WCAG AA ✓ Pass

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 2156E5 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

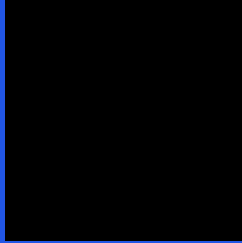
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2156E5 Background



This preview shows how black text looks on a background with the Hex color 2156E5.

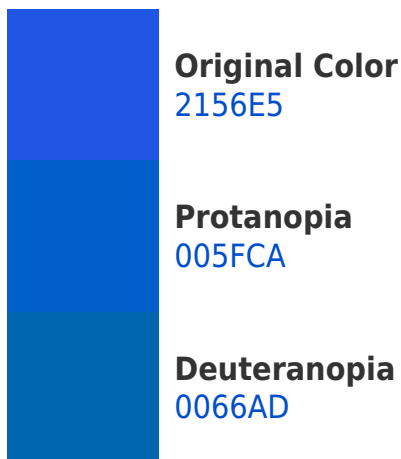


This preview shows how white text looks on a background with the Hex color 2156E5.

# 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](#).

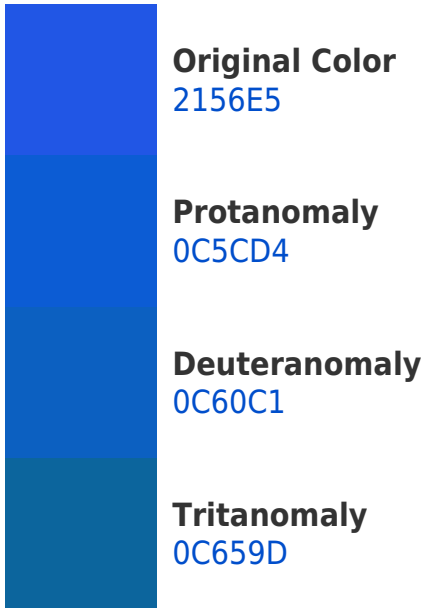
## Dichromacy





**Tritanopia**  
006E74

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2156E5 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 #2156E5 looks like.

```
.text, #text, p{  
    color:#2156E5  
}
```

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 #2156E5 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2156E5
}
```

## Border

The CSS property to change the border of an element to Hex 2156E5 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
#2156E5 }
```

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

```
.border{ border-color:#2156E5 }
```

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

Here you see how a box with a 4 pixel #2156E5 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2156E5; -webkit-box-shadow:4px 4px  
4px 4px #2156E5; box-shadow:4px 4px 4px  
4px #2156E5 }
```

# Background

The CSS property to change the background color of an element to Hex 2156E5 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2156E5 }
```

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

```
.background{ background-color:#2156E5 }
```

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