

# Converting Colors

Hex(162BE5)

Have a look what the booklet for  
Hex(162BE5) contains.

<b>Hex(162BE5)</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(162BE5)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	162BE5
RGB	22, 43, 229
RGB Percent	9%, 17%, 90%
CMY	0.9137, 0.8314, 0.1020
CMYK	0.90, 0.81, 0.00, 0.10
HSL	234°, 82%, 49%
HSV	234°, 90%, 90%
XYZ	15.3376, 7.5555, 74.7787
YIQ	57.9250, -72.2220, 53.3940

# Conversions

## Conversions Part 2

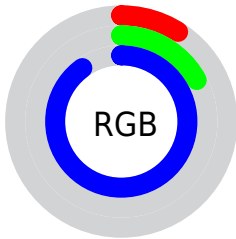
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	22, 41, 229
Decimal	1453029
CIE <sub>Lab</sub>	33.04, 60.84, -91.91
CIE <sub>LCh</sub>	33, 110.216, 303.503
Yxy	7.5555, 0.1570, 0.0774
Android (android.graphics.Color)	4279643109 (0xFF162BE5)
YUV	57.9250, 84.3400, -31.5062
Hunter-Lab	27.4872, 51.4987, -142.0568

# Details

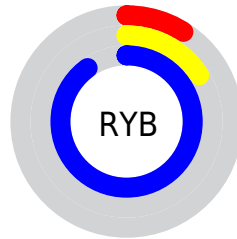
The Hex color **162BE5** is a dark color, and the websafe version is hex **3333FF**. The color can be described as dark washed blue. A complement of this color would be **E5D016**, and the grayscale version is **393939**.

A 20% lighter version of the original color is **745DFF**, and **0000AC** is the 20% darker color. If you saturate the color by 10%, you get **0017E5**, and if you desaturate by 10%, it is **2D40E5**.

# Distribution



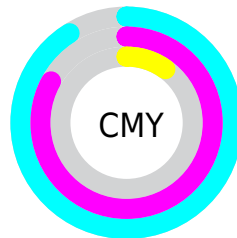
- Red (9%)
- Green (17%)
- Blue (90%)



- Red (9%)
- Yellow (16%)
- Blue (90%)



- Cyan (90%)
- Magenta (81%)
- Yellow (0%)
- Black (10%)



- Cyan (91%)
- Magenta (83%)
- Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 162BE5 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 162BE5 by changing the saturation by 10% instead.



 162BE5

 162BE5

FFFFFF

 0011C8

 745DFF

 0000AC

 9577FF

 000090

 B691FF

 000075

 D6ACFF

 000D5B

 F6C8FF

 000743

 FFE5FF

 00032C

 000116

 000000

■ 162BE5

■ 162BE5

■ 0017E5

■ 2D40E5

■ 4454E5

■ 5B69E5

■ 727DE5

■ 8992E5

■ 9FA6E5

■ B6BBE5

■ CDD0E5

■ E4E4E5

# Harmonies

## Analogous

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



005CFF



162BE5



B4009E

# Triad

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



162BE5



991C00



006857

# Complementary

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



162BE5



E5D016

# 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.



006500



162BE5



574F00

# Square

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



162BE5



C70000



006000



006BAF

# Rectangle

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



162BE5



D10065



006000



006738



# Sweetspot

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



162BE5



BAC1FF



16E5CD



575B80



000000



808080



# Same Dimension

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



162BE5



001AFF



6516E5



676873



0012B3



000533



# Inverse Universe

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



E5162B



FF001A



96E516



736768



B30012

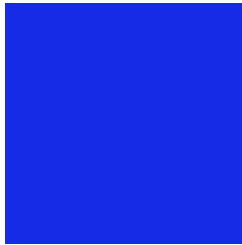


330005



# Previews

## White Background



This preview shows how the Hex color 162BE5 looks on a white background.

## Color Contrast Check

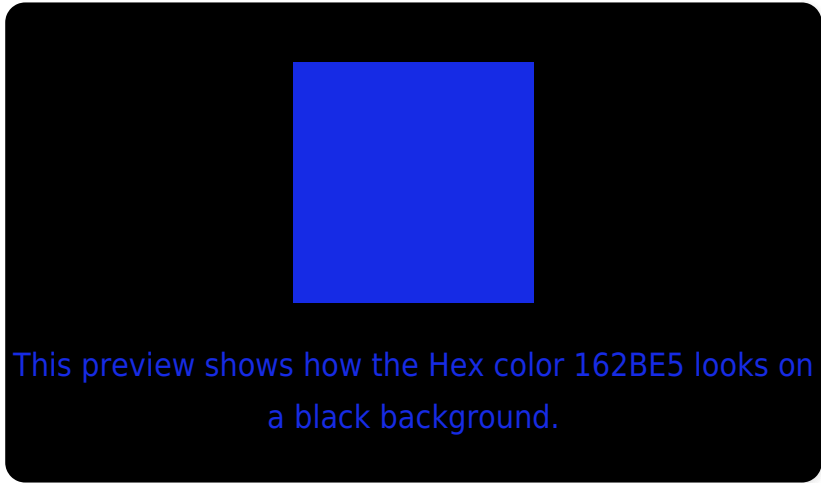
Large Text (above 18pt) WCAG AA ✓ Pass

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 162BE5 Background



This preview shows how black text looks on a background with the Hex color 162BE5.

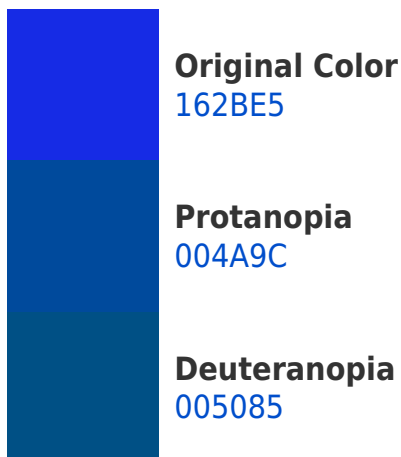



This preview shows how white text looks on a background with the Hex color 162BE5.

# 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**  
00565A

# Trichromacy



**Original Color**  
162BE5

**Protanomaly**  
083FB7

**Deuteranomaly**  
0843A8

**Tritanomaly**  
08468D

# Monochromacy



**Original Color**  
162BE5

**Achromatopsia**  
3A3A3A

**Achromatomaly**  
2D3578

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 162BE5 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 #162BE5 looks like.

```
.text, #text, p{  
    color:#162BE5  
}
```

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 #162BE5 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #162BE5
}
```

## Border

The CSS property to change the border of an element to Hex 162BE5 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
#162BE5 }
```

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

```
.border{ border-color:#162BE5 }
```

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

Here you see how a box with a 4 pixel #162BE5 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #162BE5; -webkit-box-shadow:4px 4px  
4px 4px #162BE5; box-shadow:4px 4px 4px  
4px #162BE5 }
```

# Background

The CSS property to change the background color of an element to Hex 162BE5 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#162BE5 }
```

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

```
.background{ background-color:#162BE5 }
```

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