

Converting Colors

Hex(166BD5)

Have a look what the booklet for
Hex(166BD5) contains.

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Color

Hex(166BD5)

Conversions

Conversions Part 1

Format	Color
Hex	166BD5
RGB	22, 107, 213
RGB Percent	9%, 42%, 84%
CMY	0.9137, 0.5804, 0.1647
CMYK	0.90, 0.50, 0.00, 0.16
HSL	213°, 81%, 46%
HSV	213°, 90%, 84%
XYZ	17.5988, 15.4901, 65.0131
YIQ	93.6690, -84.6860, 14.9460

Conversions

Conversions Part 2

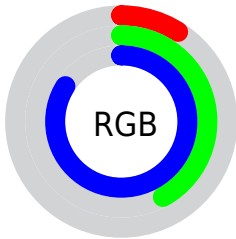
Format	Color
R _Y B	22, 81, 213
Decimal	1469397
CIE Lab	46.30, 16.46, -61.00
CIE LCh	46, 63.183, 285.096
Yxy	15.4901, 0.1794, 0.1579
Android (android.graphics.Color)	4279659477 (0xFF166BD5)
YUV	93.6690, 58.8302, -62.8537
Hunter-Lab	39.3574, 10.9415, -70.3889

Details

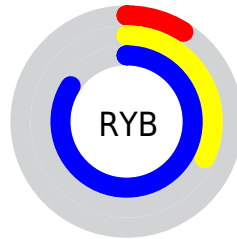
The Hex color **166BD5** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **D58016**, and the grayscale version is **5D5D5D**.

A 20% lighter version of the original color is **6A9EFF**, and **003D9D** is the 20% darker color. If you saturate the color by 10%, you get **015FD5**, and if you desaturate by 10%, it is **2B77D5**.

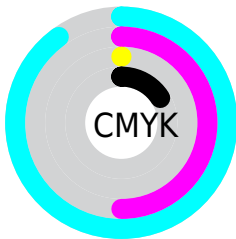
Distribution



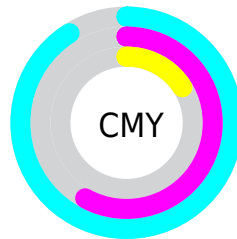
- Red (9%)
- Green (42%)
- Blue (84%)



- Red (9%)
- Yellow (32%)
- Blue (84%)



- Cyan (90%)
- Magenta (50%)
- Yellow (0%)
- Black (16%)



- Cyan (91%)
- Magenta (58%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Hex color 166BD5 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 166BD5 by changing the saturation by 10% instead.

■ 166BD5

■ 166BD5

FFFFFF

■ 0053B9

■ 6A9EFF

■ 003D9D

■ 8AB8FF

■ 002883

■ A9D4FF

■ 001669

■ C8F0FF

■ 000A50

■ E6FFFF

■ 000538

■ 000222

■ 000007

■ 000000

■ 166BD5

■ 166BD5

■ 015FD5

■ 2B77D5

■ 005FD5

■ 4183D5

■ 568ED5

■ 6B9AD5

■ 81A6D5

■ 96B2D5

■ ABBED5

■ C0CAD5

■ D6D5D5

Harmonies

Analogous

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



007BD5



166BD5



9152B9

Triad

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



166BD5



BC4923



008450

Complementary

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



166BD5



D58016

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.



287E17



166BD5



9A6200

Square

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



166BD5



CA3155



6C7400



008588

Rectangle

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



166BD5



B33F9B



6C7400



00823E

Sweetspot

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



166BD5



BAD9FF



16D57F



576980



000000



808080

Same Dimension

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



166BD5



0071FF



2016D5



60656B



004CAB



00132B

Inverse Universe

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



D5166B



FF0071



CBD516



6B6065



AB004C



2B0013

Previews

White Background



This preview shows how the Hex color 166BD5 looks on a white background.

Color Contrast Check

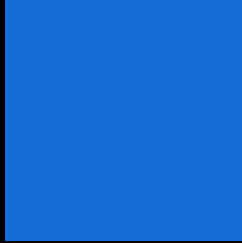
Large Text (above 18pt) WCAG AA ✓ Pass

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 166BD5 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

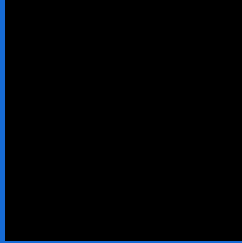
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

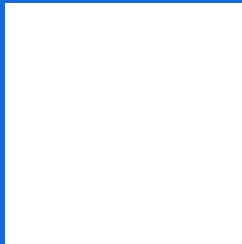
Any Text WCAG AAA × Fail

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

Hex 166BD5 Background



This preview shows how black text looks on a background with the Hex color 166BD5.

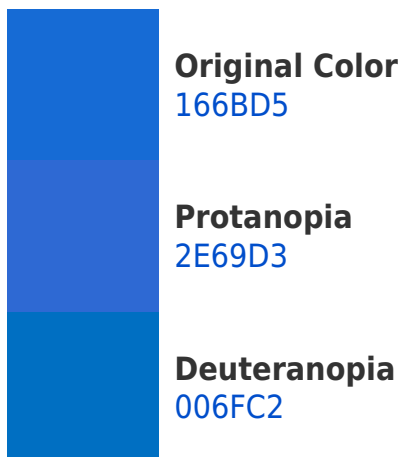


This preview shows how white text looks on a background with the Hex color 166BD5.

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
166BD5

Protanomaly
256AD4

Deuteranomaly
086EC9

Monochromacy



Original Color
166BD5

Achromatopsia
5E5E5E

Achromatomaly
446389

CSS Examples

Text

The CSS property to change the color of the text to Hex 166BD5 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 #166BD5 looks like.

```
.text, #text, p{  
    color:#166BD5  
}
```

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 #166BD5 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #166BD5
}
```

Border

The CSS property to change the border of an element to Hex 166BD5 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
#166BD5 }
```

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

```
.border{ border-color:#166BD5 }
```

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

Here you see how a box with a 4 pixel #166BD5 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #166BD5; -webkit-box-shadow:4px 4px  
4px 4px #166BD5; box-shadow:4px 4px 4px  
4px #166BD5 }
```

Background

The CSS property to change the background color of an element to Hex 166BD5 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#166BD5 }
```

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

```
.background{ background-color:#166BD5 }
```

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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