

# Converting Colors

Hex(1D66E1)

Have a look what the booklet for  
Hex(1D66E1) contains.

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# Color

**Hex(1D66E1)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	1D66E1
RGB	29, 102, 225
RGB Percent	11%, 40%, 88%
CMY	0.8863, 0.6000, 0.1176
CMYK	0.87, 0.55, 0.00, 0.12
HSL	218°, 77%, 50%
HSV	218°, 87%, 88%
XYZ	18.8487, 15.2002, 73.1747
YIQ	94.1950, -82.9910, 22.7770

# Conversions

## Conversions Part 2

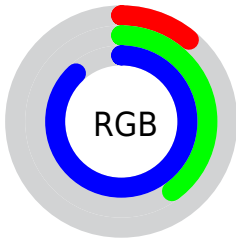
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">29, 82, 225</a>
Decimal	<a href="#">1926881</a>
CIELab	<a href="#">45.91, 24.73, -68.45</a>
CIELCh	<a href="#">46, 72.780, 289.867</a>
Yxy	<a href="#">15.2002, 0.1758, 0.1418</a>
Android (android.graphics.Color)	<a href="#">4280116961 (0xFF1D66E1)</a>
YUV	<a href="#">94.1950, 64.4869, -57.1760</a>
Hunter-Lab	<a href="#">38.9874, 18.0687, -83.9889</a>

# Details

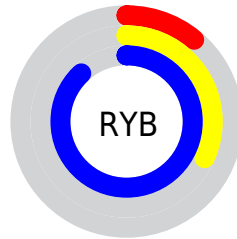
The Hex color **1D66E1** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark washed azure. A complement of this color would be **E1981D**, and the grayscale version is **5E5E5E**.

A 20% lighter version of the original color is **7098FF**, and **0039A9** is the 20% darker color. If you saturate the color by 10%, you get **0758E1**, and if you desaturate by 10%, it is **3474E1**.

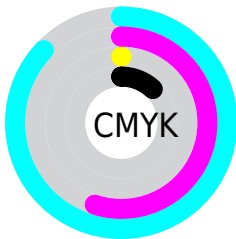
# Distribution



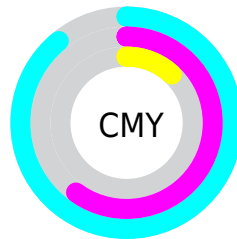
- Red (11%)
- Green (40%)
- Blue (88%)



- Red (11%)
- Yellow (32%)
- Blue (88%)



- Cyan (87%)
- Magenta (55%)
- Yellow (0%)
- Black (12%)



- Cyan (89%)
- Magenta (60%)
- Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 1D66E1 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 1D66E1 by changing the saturation by 10% instead.



 1D66E1

 1D66E1

FFFFFF

 004FC4

 7098FF

 0039A9

 90B3FF

 00258D

 B0CEFF

 001373

 CFEAFF

 00085A

 EEEFFF

 000741

 00032A

 000114

 000000

■ 1D66E1

■ 1D66E1

■ 0758E1

■ 3474E1

■ 0054E1

■ 4A82E1

■ 6190E1

■ 779EE1

■ 8EADE1

■ A4BBE1

■ BBC9E1

■ D1D7E1

■ E8E5E1

# Harmonies

## Analogous

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



007BE6



1D66E1



9F44BC

# Triad

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



1D66E1



BF4404



008555

# Complementary

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



1D66E1



E1981D

# 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.



00800C



1D66E1



956300

# Square

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



1D66E1



D41A48



5E7600



008795

# Rectangle

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



1D66E1



C22798



5E7600



008440



# Sweetspot

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



1D66E1



BDD5FF



1DE196



586780



000000



808080



# Same Dimension

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



1D66E1



005FFF



341DE1



656970



0042B0



001230



# Inverse Universe

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



E11D66



FF005F



CAE11D



706569



B00042



300012



# Previews

## White Background



This preview shows how the Hex color 1D66E1 looks on a white background.

## Color Contrast Check

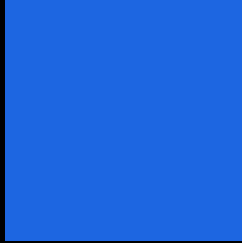
Large Text (above 18pt) WCAG AA ✓ Pass

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 1D66E1 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

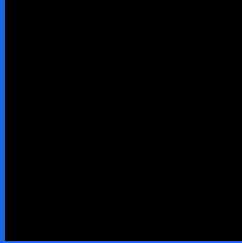
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

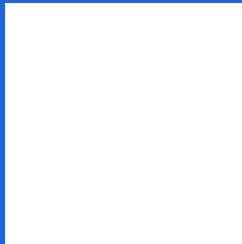
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 1D66E1 Background



This preview shows how black text looks on a background with the Hex color 1D66E1.



This preview shows how white text looks on a background with the Hex color 1D66E1.

# 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



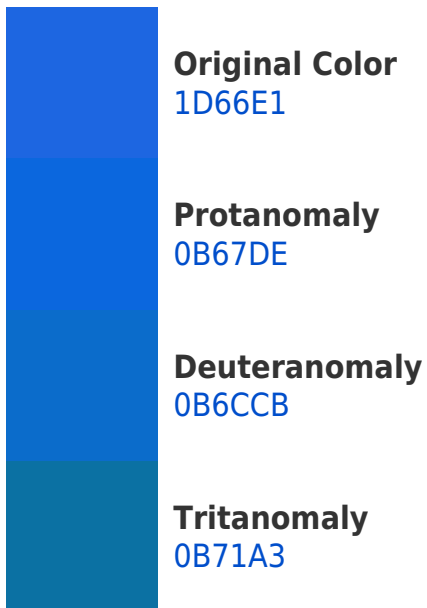
**Original Color**  
1D66E1

**Protanopia**  
0068DD

**Deuteranopia**  
006FBF



# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 1D66E1 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 #1D66E1 looks like.

```
.text, #text, p{  
    color:#1D66E1  
}
```

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 #1D66E1 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #1D66E1
}
```

## Border

The CSS property to change the border of an element to Hex 1D66E1 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
#1D66E1 }
```

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

```
.border{ border-color:#1D66E1 }
```

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

Here you see how a box with a 4 pixel #1D66E1 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #1D66E1; -webkit-box-shadow:4px 4px  
4px 4px #1D66E1; box-shadow:4px 4px 4px  
4px #1D66E1 }
```

# Background

The CSS property to change the background color of an element to Hex 1D66E1 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#1D66E1 }
```

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

```
.background{ background-color:#1D66E1 }
```

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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