

# Converting Colors

Hex(B6DF20)

Have a look what the booklet for  
Hex(B6DF20) contains.

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**Color**

**Hex(B6DF20)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B6DF20
RGB	182, 223, 32
RGB Percent	71%, 87%, 13%
CMY	0.2863, 0.1255, 0.8745
CMYK	0.18, 0.00, 0.86, 0.13
HSL	73°, 75%, 50%
HSV	73°, 86%, 87%
XYZ	45.9398, 62.8247, 11.0716
YIQ	188.9670, 36.8750, -68.0930

# Conversions

## Conversions Part 2

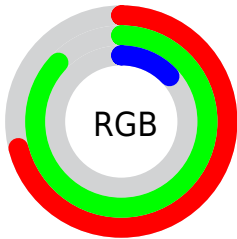
Format	Color
<a href="#">RYB</a>	<a href="#">32, 223, 73</a>
Decimal	<a href="#">11984672</a>
CIELab	<a href="#">83.35, -35.84, 77.94</a>
CIELCh	<a href="#">83, 85.789, 114.695</a>
Yxy	<a href="#">62.8247, 0.3834, 0.5243</a>
Android (android.graphics.Color)	<a href="#">4290174752 (0xFFB6DF20)</a>
YUV	<a href="#">188.9670, -77.3847, -6.1101</a>
Hunter-Lab	<a href="#">79.2620, -35.2511, 47.2016</a>

# Details

The Hex color **B6DF20** is a dark color, and the websafe version is hex **99CC00**. The color can be described as middle washed chartreuse. A complement of this color would be **4920DF**, and the grayscale version is **BEBEBE**.

A 20% lighter version of the original color is **F2FF63**, and **7CA800** is the 20% darker color. If you saturate the color by 10%, you get **B1DF0A**, and if you desaturate by 10%, it is **BBDF36**.

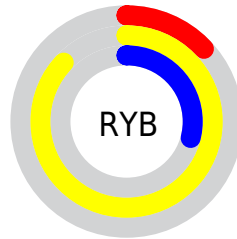
# Distribution



Red (71%)

Green (87%)

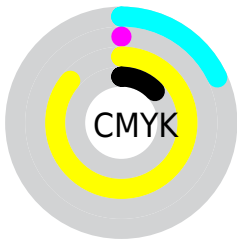
Blue (13%)



Red (13%)

Yellow (87%)

Blue (29%)

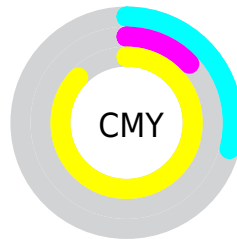


Cyan (18%)

Magenta (0%)

Yellow (86%)

Black (13%)



Cyan (29%)

Magenta (13%)

Yellow (87%)

# Brightness & Saturation Gradients

These gradients show how the Hex color B6DF20 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 B6DF20 by changing the saturation by 10% instead.



 B6DF20

 B6DF20

FFFFFF

 99C300

 F2FF63

 7CA800

 FFFF80

 5F8D00

 FFFF9D

 437300

 FFFFBA

 245B00

 FFFF80

 004300

 FFFFF6

 002C00

 001400

 000000

 B6DF20

 B6DF20

 B1DF0A

 BBDF36

 AFDF00

 C0DF4D

 C4DF63

 C9DF79

 CEDF90

 D3DFA6

 D8DFBC

 DCDFD2

 E1DFE9

# Harmonies

## Analogous

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



FFC700



B6DF20



3CED6C

# Triad

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



B6DF20



00EEFF



FF7FE2

# Complementary

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



B6DF20



4920DF

# 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.



FF9BFF



B6DF20



00DEFF

# Square

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



B6DF20



00F5FF



B2C0FF



FF8691

# Rectangle

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



B6DF20



00F3A2



B2C0FF



FF86FC



# Sweetspot

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



B6DF20



F1FFBD



DF4620



778058



000000



808080



# Same Dimension

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



B6DF20



C8FF00



59DF20



6E7065



8AB000



263000



# Inverse Universe

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



4920DF



3700FF



A620DF



676570



2600B0

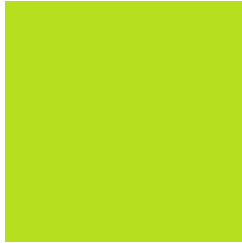


0A0030



# Previews

## White Background



This preview shows how the Hex color B6DF20 looks on a white background.

## Color Contrast Check

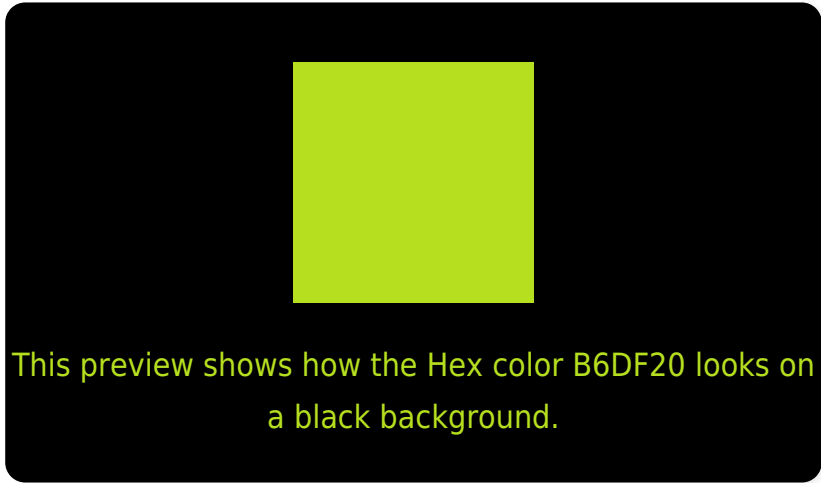
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black 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

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



## Hex B6DF20 Background



This preview shows how black text looks on a background with the Hex color B6DF20.

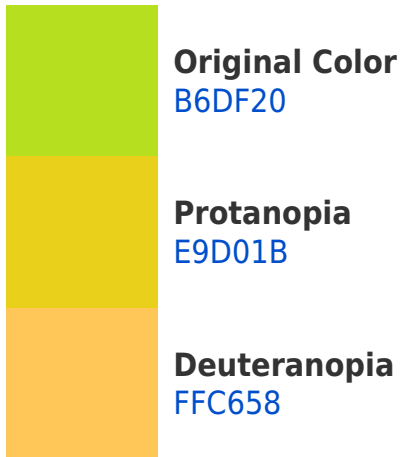


This preview shows how white text looks on a background with the Hex color B6DF20.

# Color Blindness Simulation

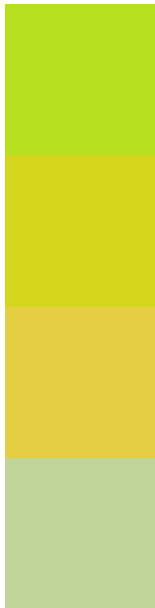
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy





# Trichromacy



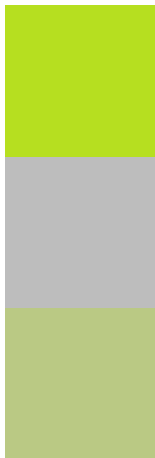
**Original Color**  
B6DF20

**Protanomaly**  
D6D51D

**Deuteranomaly**  
E4CF44

**Tritanomaly**  
C1D59A

# Monochromacy



**Original Color**  
B6DF20

**Achromatopsia**  
BDBBBD

**Achromatomaly**  
BAC984

# CSS Examples

## Text

The CSS property to change the color of the text to Hex B6DF20 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 #B6DF20 looks like.

```
.text, #text, p{  
    color:#B6DF20  
}
```

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 #B6DF20 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #B6DF20
}
```

## Border

The CSS property to change the border of an element to Hex B6DF20 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
#B6DF20 }
```

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

```
.border{ border-color:#B6DF20 }
```

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

Here you see how a box with a 4 pixel #B6DF20 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #B6DF20; -webkit-box-shadow:4px 4px  
4px 4px #B6DF20; box-shadow:4px 4px 4px  
4px #B6DF20 }
```

# Background

The CSS property to change the background color of an element to Hex B6DF20 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#B6DF20 }
```

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

```
.background{ background-color:#B6DF20 }
```

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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