

Converting Colors

Hex(B5E020)

Have a look what the booklet for
Hex(B5E020) contains.

Hex(B5E020)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(B5E020)

Conversions

Conversions Part 1

Format	Color
Hex	B5E020
RGB	181, 224, 32
RGB Percent	71%, 88%, 13%
CMY	0.2902, 0.1216, 0.8745
CMYK	0.19, 0.00, 0.86, 0.12
HSL	73°, 76%, 50%
HSV	73°, 86%, 88%
XYZ	45.9724, 63.2394, 11.1499
YIQ	189.2550, 36.0040, -68.8280

Conversions

Conversions Part 2

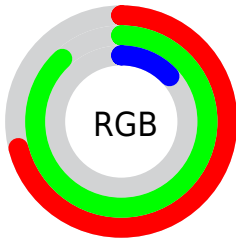
Format	Color
R _Y B	32, 224, 75
Decimal	11919392
CIE Lab	83.57, -36.69, 78.10
CIE LCh	84, 86.288, 115.162
Yxy	63.2394, 0.3820, 0.5254
Android (android.graphics.Color)	4290109472 (0xFFB5E020)
YUV	189.2550, -77.5267, -7.2396
Hunter-Lab	79.5232, -35.9745, 47.3532

Details

The Hex color **B5E020** is a light color, and the websafe version is hex **99CC00**. The color can be described as light washed chartreuse. A complement of this color would be **4B20E0**, and the grayscale version is **BEBEBE**.

A 20% lighter version of the original color is **F1FF63**, and **7BA900** is the 20% darker color. If you saturate the color by 10%, you get **B0E00A**, and if you desaturate by 10%, it is **BAE036**.

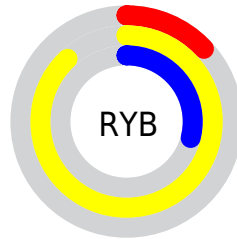
Distribution



Red (71%)

Green (88%)

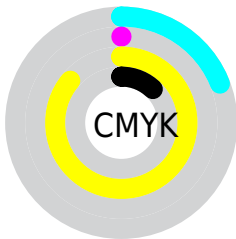
Blue (13%)



Red (13%)

Yellow (88%)

Blue (29%)

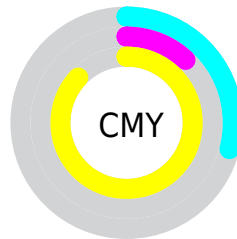


Cyan (19%)

Magenta (0%)

Yellow (86%)

Black (12%)



Cyan (29%)

Magenta (12%)

Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the Hex color B5E020 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 B5E020 by changing the saturation by 10% instead.

 B5E020

 B5E020

FFFFFF

 98C400

 F1FF63

 7BA900

 FFFF80

 5E8E00

 FFFF9D

 427400

 FFFFBA

 235B00


 FFFFD8

 004300

 FFFFF6

 002D00

 001500

 000000

 B5E020

 B5E020

 B0E00A

 BAE036

 AEE000

 BFE04D

 C4E063

 C9E07A

 CEE090

 D3E0A6

 D8E0BD

 DDE0D3

 E2E0EA

Harmonies

Analogous

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



FFC800



B5E020



36EE6D

Triad

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



B5E020



00EFFF



FF7FE1

Complementary

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



B5E020



4B20E0

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



B5E020



00DEFF

Square

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



B5E020



00F6FF



B5C0FF



FF8690

Rectangle

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



B5E020



00F4A4



B5C0FF



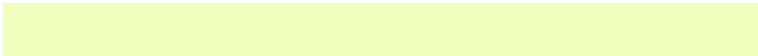
FF85FC

Sweetspot

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



B5E020



F0FFBD



E04A20



778058



000000



808080

Same Dimension

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



B5E020



C6FF00



56E020



6E7065



89B000



263000

Inverse Universe

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



4B20E0



3900FF



AA20E0



676570



2700B0



0B0030

Previews

White Background



This preview shows how the Hex color B5E020 looks on a white background.

Color Contrast Check

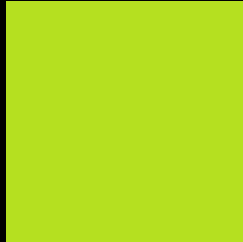
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Hex color B5E020 looks on a 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 B5E020 Background



This preview shows how black text looks on a background with the Hex color B5E020.

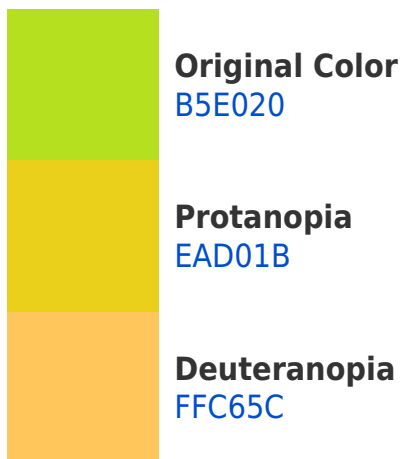


This preview shows how white text looks on a background with the Hex color B5E020.

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
C7D0E1

Trichromacy



Original Color
B5E020

Protanomaly
D7D61D

Deuteranomaly
E4CF46

Tritanomaly
C0D69B

Monochromacy



Original Color
B5E020

Achromatopsia
BDBDBD

Achromatomaly
BACA84

CSS Examples

Text

The CSS property to change the color of the text to Hex B5E020 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 #B5E020 looks like.

```
.text, #text, p{  
    color:#B5E020  
}
```

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 #B5E020 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #B5E020
}
```

Border

The CSS property to change the border of an element to Hex B5E020 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
#B5E020 }
```

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

```
.border{ border-color:#B5E020 }
```

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

Here you see how a box with a 4 pixel #B5E020 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #B5E020; -webkit-box-shadow:4px 4px  
4px 4px #B5E020; box-shadow:4px 4px 4px  
4px #B5E020 }
```

Background

The CSS property to change the background color of an element to Hex B5E020 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#B5E020 }
```

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

```
.background{ background-color:#B5E020 }
```

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