

# Converting Colors

Hex(79CC20)

Have a look what the booklet for  
Hex(79CC20) contains.

<b>Hex(79CC20)</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(79CC20)**

# Conversions

## Conversions Part 1

Format	Color
Hex	79CC20
RGB	121, 204, 32
RGB Percent	47%, 80%, 13%
CMY	0.5255, 0.2000, 0.8745
CMYK	0.41, 0.00, 0.84, 0.20
HSL	89°, 73%, 46%
HSV	89°, 84%, 80%
XYZ	29.7387, 47.3550, 8.9395
YIQ	159.5750, 5.7440, -71.0880

# Conversions

## Conversions Part 2

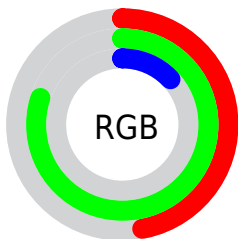
Format	Color
<b>RYB</b>	32, 204, 115
Decimal	7982112
CIELab	74.42, -50.28, 68.96
CIELCh	74, 85.350, 126.097
Yxy	47.3550, 0.3457, 0.5504
Android (android.graphics.Color)	4286172192 (0xFF79CC20)
YUV	159.5750, -62.8945, -33.8303
Hunter-Lab	68.8149, -43.2864, 40.4683

# Details

The Hex color **79CC20** is a dark color, and the websafe version is hex **66CC00**. The color can be described as dark muted chartreuse. A complement of this color would be **7320CC**, and the grayscale version is **A0A0A0**.

A 20% lighter version of the original color is **B3FF5F**, and **3D9500** is the 20% darker color. If you saturate the color by 10%, you get **6FCC0C**, and if you desaturate by 10%, it is **83CC34**.

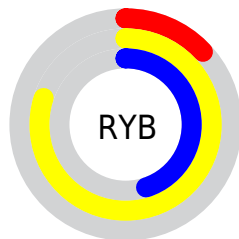
# Distribution



Red (47%)

Green (80%)

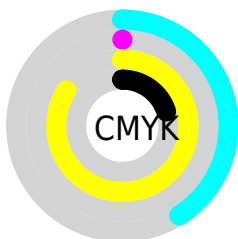
Blue (13%)



Red (13%)

Yellow (80%)

Blue (45%)

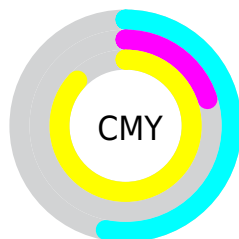


Cyan (41%)

Magenta (0%)

Yellow (84%)

Black (20%)



Cyan (53%)

Magenta (20%)

Yellow (87%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 79CC20 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 79CC20 by changing the saturation by 10% instead.



 79CC20

 79CC20

FFFFFF

 5CB000

 B3FF5F

 3D9500

 D1FF7B

 177B00

 EFFF98

 006100

 FFFFB4

 004800

 FFFFD1

 003100

 FFFFEE

 001800

 000000

 79CC20

 79CC20

 6FCC0C

 83CC34

 6ACC00

 8DCC49

 97CC5D

 A0CC72

 AACCC86

 B4CC9A

 BECCAF

 C8CCC3

 D2CCD8

# Harmonies

## Analogous

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



CCB900



79CC20



00D673

# Triad

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



79CC20



00D0FF



FF61AA

# Complementary

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



79CC20



7320CC

# 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.



FF74F8



79CC20



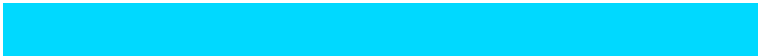
00BBFF

# Square

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



79CC20



00D9FF



CB9AFF



FF775F

# Rectangle

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



79CC20



00DAAA



CB9AFF



FF62C5

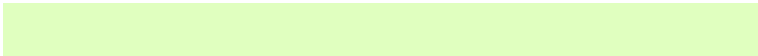


# Sweetspot

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



79CC20



E0FFBF



CC7020



6D8059



000000



808080



# Same Dimension

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



79CC20



84FF00



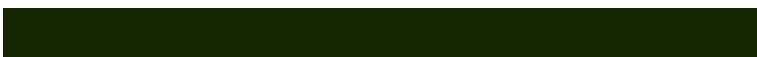
26CC20



61665C



56A600



142600



# Inverse Universe

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



7320CC



7B00FF



C620CC



615C66



5000A6

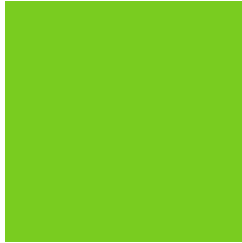


120026



# Previews

## White Background



This preview shows how the Hex color 79CC20 looks on a white background.

## Color Contrast Check

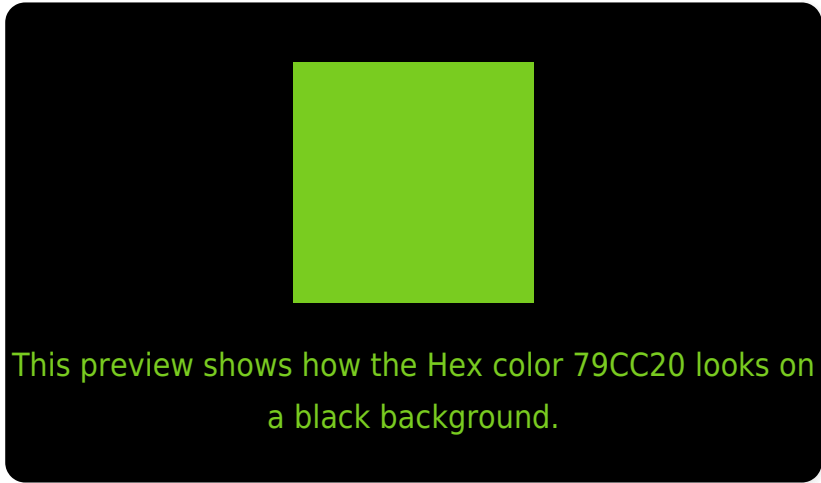
Large Text (above 18pt) WCAG AA × Fail

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 79CC20 Background



This preview shows how black text looks on a background with the Hex color 79CC20.



This preview shows how white text looks on a background with the Hex color 79CC20.

# 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**  
79CC20

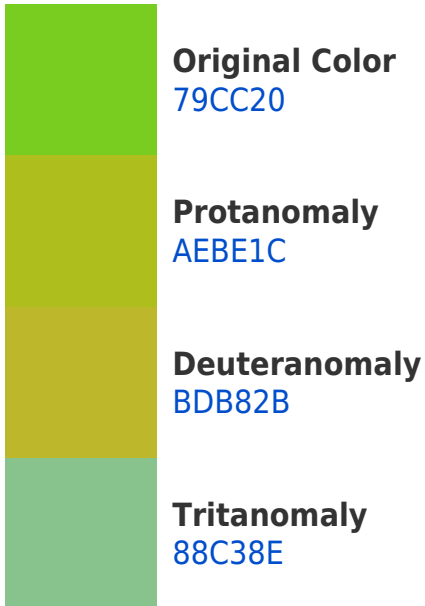
**Protanopia**  
CDB61A

**Deuteranopia**  
E4AD32



**Tritanopia**  
90BECD

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 79CC20 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 #79CC20 looks like.

```
.text, #text, p{  
    color:#79CC20  
}
```

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 #79CC20 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #79CC20
}
```

## Border

The CSS property to change the border of an element to Hex 79CC20 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
#79CC20 }
```

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

```
.border{ border-color:#79CC20 }
```

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

Here you see how a box with a 4 pixel #79CC20 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #79CC20; -webkit-box-shadow:4px 4px  
4px 4px #79CC20; box-shadow:4px 4px 4px  
4px #79CC20 }
```

# Background

The CSS property to change the background color of an element to Hex 79CC20 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#79CC20 }
```

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

```
.background{ background-color:#79CC20 }
```

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