

Converting Colors

Hex(20209C)

Have a look what the booklet for
Hex(20209C) contains.

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Color

Hex(20209C)

Conversions

Conversions Part 1

Format	Color
Hex	20209C
RGB	32, 32, 156
RGB Percent	13%, 13%, 61%
CMY	0.8745, 0.8745, 0.3882
CMYK	0.79, 0.79, 0.00, 0.39
HSL	240°, 66%, 37%
HSV	240°, 79%, 61%
XYZ	7.1129, 3.7404, 31.7996
YIQ	46.1360, -39.8040, 38.5640

Conversions

Conversions Part 2

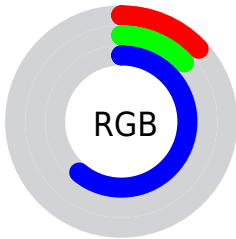
Format	Color
R_{YB}	32, 32, 156
Decimal	2105500
CIE _{Lab}	22.79, 43.49, -65.81
CIE _{LCh}	23, 78.879, 303.459
Yxy	3.7404, 0.1668, 0.0877
Android (android.graphics.Color)	4280295580 (0xFF20209C)
YUV	46.1360, 54.1630, -12.3973
Hunter-Lab	19.3401, 31.8037, -83.9482

Details

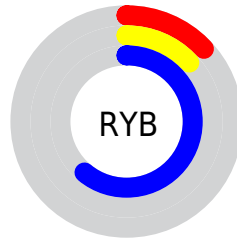
The Hex color **20209C** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **9C9C20**, and the grayscale version is **2E2E2E**.

A 20% lighter version of the original color is **644FD4**, and **000067** is the 20% darker color. If you saturate the color by 10%, you get **10109C**, and if you desaturate by 10%, it is **30309C**.

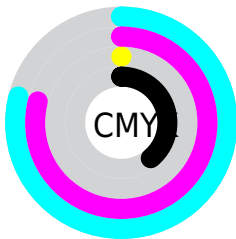
Distribution



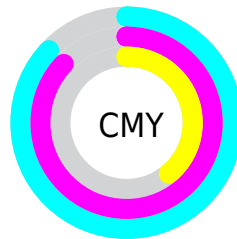
- Red (13%)
- Green (13%)
- Blue (61%)



- Red (13%)
- Yellow (13%)
- Blue (61%)



- Cyan (79%)
- Magenta (79%)
- Yellow (0%)
- Black (39%)



- Cyan (87%)
- Magenta (87%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the Hex color 20209C 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 20209C by changing the saturation by 10% instead.

■ 20209C

■ 20209C

FFFFFF

■ 000981

■ 644FD4

■ 000067

■ 8268F1

■ 00004E

■ 9F81FF

■ 000536

■ BD9CFF

■ 000220

■ DAB7FF

■ 000004

■ F9D3FF

■ 000000

■ FFEFFF

■ 20209C

■ 20209C

■ 10109C

■ 30309C

■ 01019C

■ 3F3F9C

■ 00009C

■ 4F4F9C

■ 5E5E9C

■ 6E6E9C

■ 7E7E9C

■ 8D8D9C

■ 9D9D9C

■ ACAC9C

Harmonies

Analogous

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



003FB1



20209C



7C006C

Triad

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



20209C



6B1800



004A3C

Complementary

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



20209C



9C9C20

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.



004700



20209C



3E3700

Square

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



20209C



8A0000



004300



004B78

Rectangle

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



20209C



900046



004300



004927

Sweetspot

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



20209C



9B9BCC



209C9C



484866



E6E6E6



666666

Same Dimension

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



20209C



0A0ACC



5E209C



47474F



00008F



00000F

Inverse Universe

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



9C209C



CC0ACC



5E9C20



4F474F



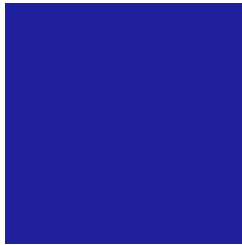
8F008F



0F000F

Previews

White Background



This preview shows how the Hex color 20209C looks on a white background.

Color Contrast Check

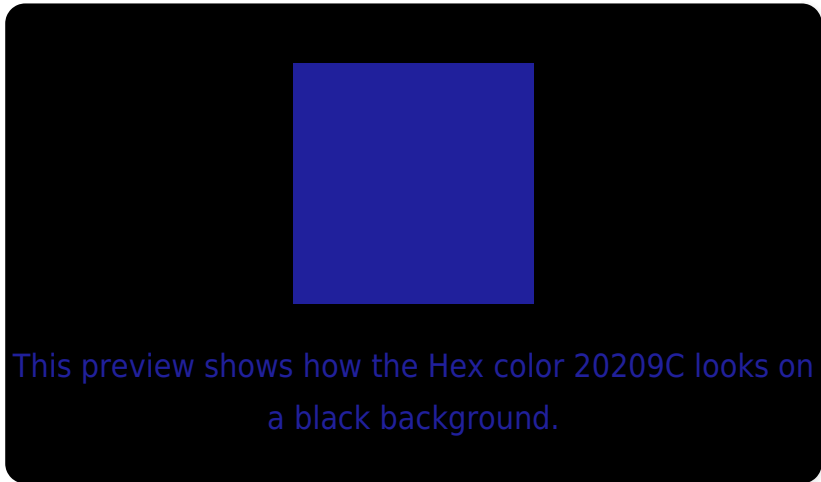
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

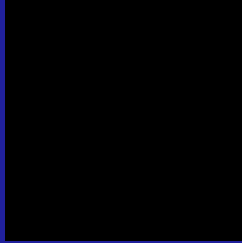
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Hex 20209C Background



This preview shows how black text looks on a background with the Hex color 20209C.



This preview shows how white text looks on a background with the Hex color 20209C.

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
20209C

Protanopia
00356F

Deuteranopia
00395F



Tritanopia
003D40

Trichromacy



Original Color
20209C

Protanomaly
0C2D7F

Deuteranomaly
0C3075

Tritanomaly
0C3261

Monochromacy



Original Color
20209C

Achromatopsia
2E2E2E

Achromatomaly
292956

CSS Examples

Text

The CSS property to change the color of the text to Hex 20209C 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 #20209C looks like.

```
.text, #text, p{  
    color:#20209C  
}
```

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 #20209C colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #20209C
}
```

Border

The CSS property to change the border of an element to Hex 20209C 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
#20209C }
```

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

```
.border{ border-color:#20209C }
```

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

Here you see how a box with a 4 pixel #20209C colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #20209C; -webkit-box-shadow:4px 4px  
4px 4px #20209C; box-shadow:4px 4px 4px  
4px #20209C }
```

Background

The CSS property to change the background color of an element to Hex 20209C is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#20209C }
```

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

```
.background{ background-color:#20209C }
```

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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