

Converting Colors

`RYB(38, 14, 220)`

Have a look what the booklet for
RYB(38, 14, 220) contains.

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Color

R_YB(38, 14, 220)

Conversions

Conversions Part 1

Format	Color
Hex	260EDC
RGB	38, 14, 220
RGB Percent	15%, 5%, 86%
CMY	0.8510, 0.9451, 0.1373
CMYK	0.83, 0.94, 0.00, 0.14
HSL	247°, 88%, 46%
HSV	247°, 94%, 86%
XYZ	13.8746, 5.8935, 68.1164
YIQ	44.6600, -51.8220, 69.1540

Conversions

Conversions Part 2

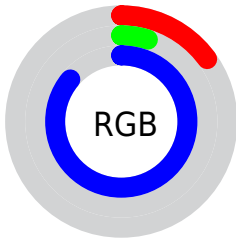
Format	Color
R _Y B	38, 14, 220
Decimal	2494172
CIE Lab	29.14, 68.69, -93.22
CIE LCh	29, 115.795, 306.385
Yxy	5.8935, 0.1579, 0.0671
Android (android.graphics.Color)	4280684252 (0xFF260EDC)
YUV	44.6600, 86.4426, -5.8408
Hunter-Lab	24.2764, 59.5338, -149.3663

Details

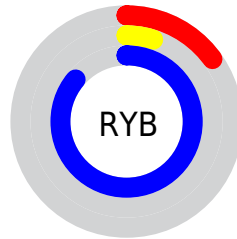
The RYB color **38, 14, 220** is a dark color, and the websafe version is hex **0000CC**. The color can be described as dark washed blue. A complement of this color would be **14, 220, 38**, and the grayscale version is **44, 44, 44**.

A 20% lighter version of the original color is **121, 73, 255**, and **0, 0, 163** is the 20% darker color. If you saturate the color by 10%, you get **26, 0, 220**, and if you desaturate by 10%, it is **57, 36, 220**.

Distribution



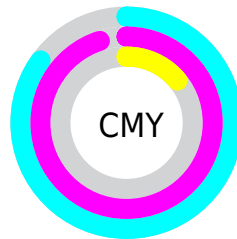
- Red (15%)
- Green (5%)
- Blue (86%)



- Red (15%)
- Yellow (5%)
- Blue (86%)



- Cyan (83%)
- Magenta (94%)
- Yellow (0%)
- Black (14%)





















- Cyan (85%)
- Magenta (95%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the RYB color 38, 14, 220 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 RYB color 38, 14, 220 by changing the saturation by 10% instead.

 38, 14, 220	 38, 14, 220
255, 255, 255	 0, 0, 191
 121, 73, 255	 0, 0, 163
 154, 100, 255	 0, 0, 136
 186, 127, 255	 0, 3, 109
 218, 154, 255	 0, 10, 84
 250, 182, 255	 0, 5, 59
 255, 210, 255	 0, 2, 37
 255, 239, 255	 0, 1, 13
	 0, 0, 0

■ 38, 14, 220

■ 38, 14, 220

■ 26, 0, 220

■ 57, 36, 220

■ 77, 58, 220

■ 96, 80, 220

■ 116, 102, 220

■ 135, 124, 220

■ 155, 146, 220

■ 174, 168, 220

■ 193, 190, 220

■ 213, 212, 220

Harmonies

Analogous

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



0, 62, 255



38, 14, 220



179, 0, 143

Triad

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



38, 14, 220



138, 25, 0



0, 49, 94

Complementary

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



38, 14, 220



14, 220, 38

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.



0, 92, 92



38, 14, 220



0, 73, 5

Square

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



38, 14, 220



187, 0, 0



0, 87, 87



0, 63, 177

Rectangle

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



38, 14, 220



204, 0, 84



0, 87, 87



0, 58, 93

Sweetspot

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



38, 14, 220



192, 184, 255



14, 111, 220



89, 84, 128



0, 0, 0



128, 128, 128

Same Dimension

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



38, 14, 220



30, 0, 255



138, 14, 220



100, 99, 110



20, 0, 173



5, 0, 46

Inverse Universe

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



220, 14, 196



255, 0, 225



14, 220, 138



110, 99, 108



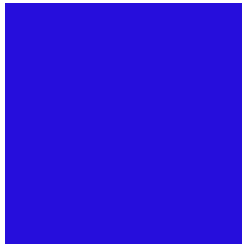
173, 0, 153



46, 0, 41

Previews

White Background



This preview shows how the RYB color 38, 14, 220 looks on a white background.

Color Contrast Check

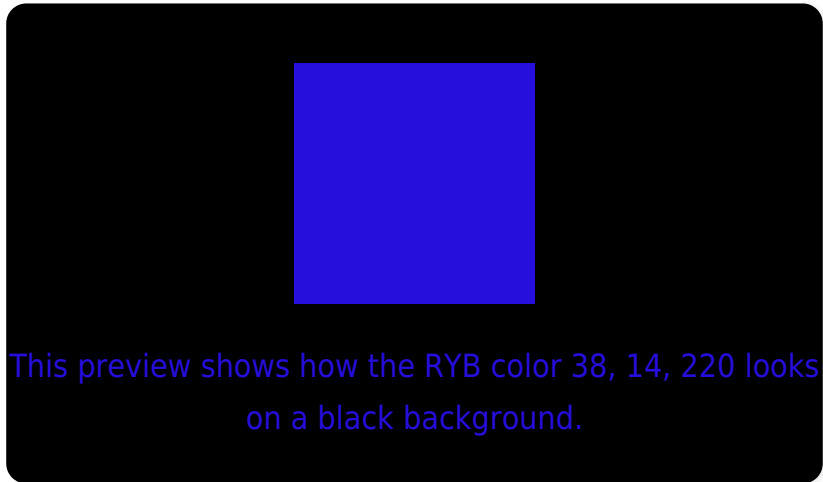
Large Text (above 18pt) WCAG AA ✓ Pass

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](#).

RYP 38, 14, 220 Background



This preview shows how black text looks on a background with the RYP color 38, 14, 220.



This preview shows how white text looks on a background with the RYP color 38, 14, 220.

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


38, 14, 220

Protanopia

0, 45, 140

Deuteranopia

0, 44, 119



Tritanopia
0, 39, 80

Trichromacy



Original Color

38, 14, 220

Protanomaly

14, 42, 169

Deuteranomaly

14, 43, 156

Tritanomaly

14, 44, 131

Monochromacy



Original Color

38, 14, 220

Achromatopsia

45, 45, 45

Achromatomaly

42, 34, 109

CSS Examples

Text

The CSS property to change the color of the text to RYB 38, 14, 220 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 `rgb(38, 14, 220)` looks like.

```
.text, #text, p{  
    color:rgb(38, 14, 220)  
}
```

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 rgb(38, 14, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 14, 220) }
```

Border

The CSS property to change the border of an element to RYB 38, 14, 220 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 rgb(38, 14, 220) }
```

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

```
.border{ border-color:rgb(38, 14, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 14, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 14, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 14, 220);  
box-shadow:4px 4px 4px 4px rgb(38, 14,  
220) }
```

Background

The CSS property to change the background color of an element to RYB 38, 14, 220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 14, 220) }
```

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

```
.background{ background-color: rgb(38, 14,  
220) }
```

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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