

Converting Colors

RYB(77, 85, 135)

Have a look what the booklet for
RYB(77, 85, 135) contains.

RYB(77, 85, 135)	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

R_YB(77, 85, 135)

Conversions

Conversions Part 1

Format	Color
Hex	4D5687
RGB	77, 86, 135
RGB Percent	30%, 34%, 53%
CMY	0.6980, 0.6616, 0.4706
CMYK	0.43, 0.36, 0.00, 0.47
HSL	230°, 27%, 42%
HSV	230°, 43%, 53%
XYZ	10.7839, 10.0274, 24.2888
YIQ	88.8950, -21.0930, 13.3310

Conversions

Conversions Part 2

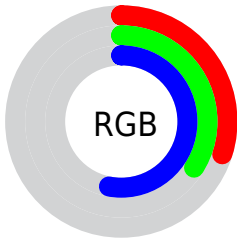
Format	Color
RYB	77, 85, 135
Decimal	5068423
CIELab	37.89, 9.76, -28.38
CIElCh	38, 30.012, 288.988
Yxy	10.0274, 0.2391, 0.2223
Android (android.graphics.Color)	4283258503 (0xFF4D5687)
YUV	88.8950, 22.7298, -10.4319
Hunter-Lab	31.6661, 5.3727, -23.3108

Details

The RYB color **77, 85, 135** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **88, 135, 77**, and the grayscale version is **89, 89, 89**.

A 20% lighter version of the original color is **129, 135, 189**, and **26, 38, 85** is the 20% darker color. If you saturate the color by 10%, you get **63, 73, 135**, and if you desaturate by 10%, it is **90, 97, 135**.

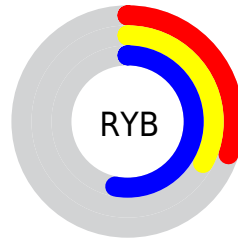
Distribution



Red (30%)

Green (34%)

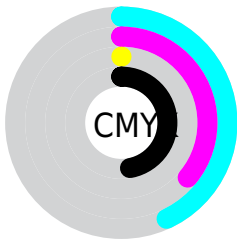
Blue (53%)



Red (30%)

Yellow (33%)

Blue (53%)

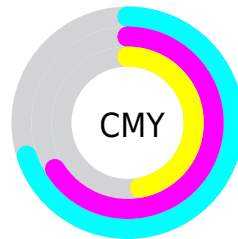


Cyan (43%)

Magenta (36%)

Yellow (0%)

Black (47%)



Cyan (70%)

Magenta (66%)

Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the RYB color 77, 85, 135 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 77, 85, 135 by changing the saturation by 10% instead.



77, 85, 135



77, 85, 135

255, 255, 255



52, 61, 109



129, 135, 189



26, 38, 85



155, 161, 216



0, 16, 61



183, 188, 245



0, 2, 39



211, 216, 255



0, 1, 17



240, 244, 255



0, 0, 0



77, 85, 135



77, 85, 135



63, 73, 135



90, 97, 135



50, 62, 135



104, 108, 135

■ 37, 50, 135

■ 118, 120, 135

■ 23, 39, 135

■ 131, 132, 135

■ 10, 27, 135

■ 138, 145, 135

■ 0, 19, 135

■ 140, 158, 135

■ 142, 172, 135

■ 145, 185, 135

■ 148, 199, 135

Harmonies

Analogous

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



22, 66, 136



77, 85, 135



110, 77, 121

Triad

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



77, 85, 135



128, 86, 53



19, 66, 101

Complementary

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



77, 85, 135



88, 135, 77

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.



56, 98, 93



77, 85, 135



85, 112, 41

Square

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



77, 85, 135



135, 70, 75



42, 93, 46



0, 51, 104

Rectangle

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



77, 85, 135



125, 72, 107



42, 93, 46



37, 78, 100

Sweetspot

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



77, 85, 135



153, 156, 176



77, 109, 135



75, 77, 89



217, 217, 217



89, 89, 89

Same Dimension

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



77, 85, 135



84, 97, 176



96, 77, 135



60, 61, 66



0, 18, 130



0, 0, 3

Inverse Universe

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



135, 77, 86



176, 84, 99



77, 135, 96



66, 60, 61



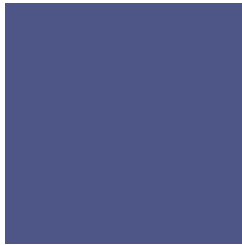
130, 0, 21



3, 0, 0

Previews

White Background



This preview shows how the RYB color 77, 85, 135 looks on a white background.

Color Contrast Check

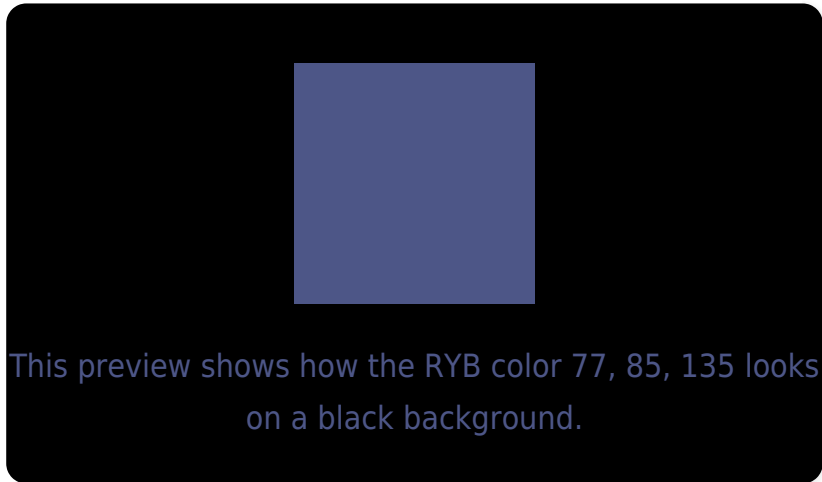
Large Text (above 18pt) WCAG AA ✓ Pass

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 ✓ Pass

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](#).

RYB 77, 85, 135 Background



This preview shows how black text looks on a background with the RYB color 77, 85, 135.



This preview shows how white text looks on a background with the RYB color 77, 85, 135.

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

77, 85, 135

Protanopia

72, 84, 136

Deuteranopia

68, 84, 134



Tritanopia
68, 82, 101

Trichromacy



Original Color

77, 85, 135

Protanomaly

74, 85, 136

Deuteranomaly

71, 84, 134

Tritanomaly

71, 85, 113

Monochromacy



Original Color

77, 85, 135

Achromatopsia

89, 89, 89

Achromatomaly

85, 88, 106

CSS Examples

Text

The CSS property to change the color of the text to RYB 77, 85, 135 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(77, 86, 135)` looks like.

```
.text, #text, p{  
    color:rgb(77, 86, 135)  
}
```

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(77, 86, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 86, 135) }
```

Border

The CSS property to change the border of an element to RYB 77, 85, 135 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(77, 86, 135) }
```

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

```
.border{ border-color:rgb(77, 86, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 86, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 86, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 86, 135);  
box-shadow:4px 4px 4px 4px rgb(77, 86,  
135) }
```

Background

The CSS property to change the background color of an element to RYB 77, 86, 135 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 86, 135) }
```

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

```
.background{ background-color: rgb(77, 86,  
135) }
```

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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