

Converting Colors

`RYB(86, 120, 89)`

Have a look what the booklet for
RYB(86, 120, 89) contains.

RYB(86, 120, 89)	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(86, 120, 89)

Conversions

Conversions Part 1

Format	Color
Hex	757856
RGB	117, 120, 86
RGB Percent	46%, 47%, 34%
CMY	0.5412, 0.5294, 0.6627
CMYK	0.03, 0.00, 0.28, 0.53
HSL	65°, 17%, 40%
HSV	65°, 28%, 47%
XYZ	15.7323, 17.8867, 11.4274
YIQ	115.2270, 9.1260, -11.2100

Conversions

Conversions Part 2

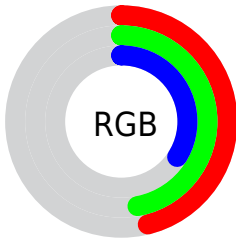
Format	Color
RYB	86, 120, 89
Decimal	7698518
CIELab	49.36, -7.19, 18.35
CIELCh	49, 19.706, 111.395
Yxy	17.8867, 0.3492, 0.3971
Android (android.graphics.Color)	4285888598 (0xFF757856)
YUV	115.2270, -14.4089, 1.5549
Hunter-Lab	42.2927, -7.6127, 13.5849

Details

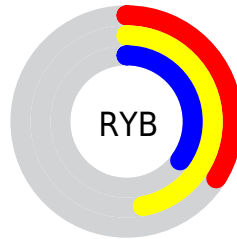
The RYB color **86, 120, 89** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **89, 86, 120**, and the grayscale version is **115, 115, 115**.

A 20% lighter version of the original color is **136, 172, 139**, and **40, 72, 44** is the 20% darker color. If you saturate the color by 10%, you get **74, 120, 78**, and if you desaturate by 10%, it is **98, 120, 100**.

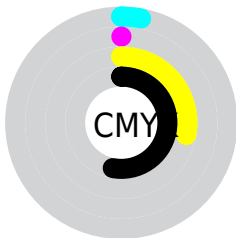
Distribution



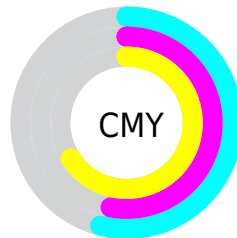
- Red (46%)
- Green (47%)
- Blue (34%)



- Red (34%)
- Yellow (47%)
- Blue (35%)



- Cyan (3%)
- Magenta (0%)
- Yellow (28%)
- Black (53%)



- Cyan (54%)
- Magenta (53%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the RYB color 86, 120, 89 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 86, 120, 89 by changing the saturation by 10% instead.



86, 120, 89



86, 120, 89

255, 255, 255



63, 95, 66



136, 172, 139



40, 72, 44



162, 200, 165



19, 49, 23



189, 228, 192



0, 28, 2



217, 255, 218



0, 0, 0



246, 255, 246



86, 120, 89



86, 120, 89



74, 120, 78



98, 120, 100



62, 120, 67



110, 120, 111

■ 50, 120, 56

■ 120, 120, 122

■ 38, 120, 45

■ 121, 120, 134

■ 26, 120, 34

■ 122, 120, 146

■ 14, 120, 23

■ 123, 120, 158

■ 2, 120, 12

■ 124, 120, 170

■ 0, 120, 11

■ 125, 120, 182

■ 127, 120, 194

Harmonies

Analogous

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



116, 134, 85



86, 120, 89



96, 124, 122

Triad

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



86, 120, 89



72, 102, 143



147, 106, 123

Complementary

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



86, 120, 89



89, 86, 120

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.



134, 109, 138



86, 120, 89



90, 110, 150

Square

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



86, 120, 89



68, 98, 129



113, 115, 148



151, 106, 106

Rectangle

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



86, 120, 89



85, 112, 126



113, 115, 148



144, 106, 128

Sweetspot

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



86, 120, 89



142, 156, 144



120, 89, 86



70, 79, 71



207, 207, 207



79, 79, 79

Same Dimension

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



86, 120, 89



103, 156, 108



86, 120, 106



55, 61, 55



0, 125, 11



0, 252, 22

Inverse Universe

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



89, 86, 120



107, 103, 156



106, 86, 120



56, 55, 61



11, 0, 125



22, 0, 252

Previews

White Background



This preview shows how the RYB color 86, 120, 89 looks on a white background.

Color Contrast Check

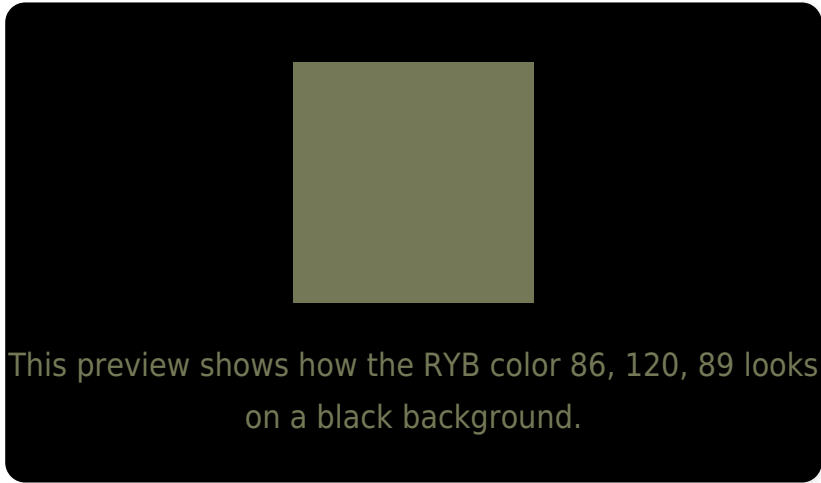
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

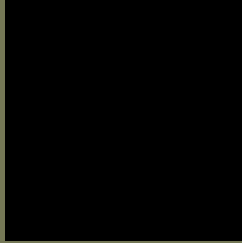
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

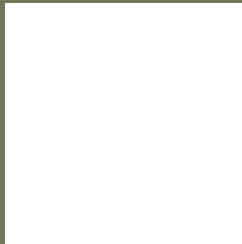
Any Text WCAG AAA × Fail

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

R Y B 86, 120, 89 Background



This preview shows how black text looks on a background with the R Y B color 86, 120, 89.



This preview shows how white text looks on a background with the R Y B color 86, 120, 89.

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


86, 120, 89

Protanopia

97, 126, 85

Deuteranopia

138, 134, 88



Tritanopia
122, 115, 124

Trichromacy



Original Color
86, 120, 89

Protanomaly
91, 123, 85

Deuteranomaly
110, 130, 87

Tritanomaly
114, 120, 110

Monochromacy



Original Color
86, 120, 89

Achromatopsia
115, 115, 115

Achromatomaly
104, 117, 105

CSS Examples

Text

The CSS property to change the color of the text to RYB 86, 120, 89 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(117, 120, 86)` looks like.

```
.text, #text, p{  
    color:rgb(117, 120, 86)  
}
```

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(117, 120, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 120, 86) }
```

Border

The CSS property to change the border of an element to RYB 86, 120, 89 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(117, 120, 86) }
```

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

```
.border{ border-color:rgb(117, 120, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 120, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 120, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 120, 86);  
box-shadow:4px 4px 4px 4px rgb(117, 120,  
86) }
```

Background

The CSS property to change the background color of an element to RGB 86, 120, 89 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 120, 86) }
```

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

```
.background{ background-color: rgb(117,  
120, 86) }
```

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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