

Converting Colors

`RYB(120, 137, 189)`

Have a look what the booklet for
RYB(120, 137, 189) contains.

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Color

`RYB(120, 137, 189)`

Conversions

Conversions Part 1

Format	Color
Hex	788FBD
RGB	120, 143, 189
RGB Percent	47%, 56%, 74%
CMY	0.5294, 0.4410, 0.2588
CMYK	0.37, 0.25, 0.00, 0.26
HSL	220°, 34%, 61%
HSV	220°, 37%, 74%
XYZ	26.6872, 27.1796, 51.9837
YIQ	141.3670, -28.4740, 9.4300

Conversions

Conversions Part 2

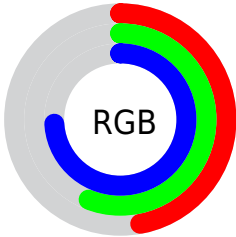
Format	Color
R _Y B	120, 137, 189
Decimal	7901117
CIE Lab	59.14, 3.53, -26.76
CIE LCh	59, 26.994, 277.513
Yxy	27.1796, 0.2521, 0.2568
Android (android.graphics.Color)	4286091197 (0xFF788FBD)
YUV	141.3670, 23.4831, -18.7389
Hunter-Lab	52.1340, 0.1390, -22.6252

Details

The RYB color **120, 137, 189** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **155, 189, 120**, and the grayscale version is **141, 141, 141**.

A 20% lighter version of the original color is **174, 191, 245**, and **68, 86, 135** is the 20% darker color. If you saturate the color by 10%, you get **101, 123, 189**, and if you desaturate by 10%, it is **139, 151, 189**.

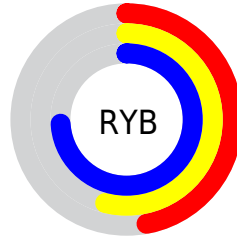
Distribution



Red (47%)

Green (56%)

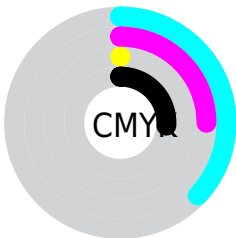
Blue (74%)



Red (47%)

Yellow (54%)

Blue (74%)

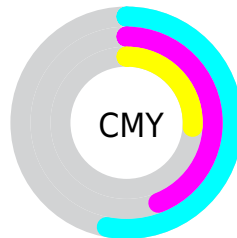


Cyan (37%)

Magenta (25%)

Yellow (0%)

Black (26%)



Cyan (53%)

Magenta (44%)

Yellow (26%)


Brightness & Saturation Gradients

These gradients show how the RYB color 120, 137, 189 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 120, 137, 189 by changing the saturation by 10% instead.

 120, 137, 189


255, 255, 255

 174, 191, 245

 202, 218, 255

 231, 242, 255

 120, 137, 189

 94, 111, 162


 68, 86, 135

 42, 61, 110

 12, 36, 85

 0, 19, 62

 0, 3, 40

 0, 1, 18

 0, 0, 0

 120, 137, 189

 120, 137, 189

■ 101, 123, 189

■ 139, 151, 189

■ 82, 108, 189

■ 158, 166, 189

■ 63, 94, 189

■ 177, 180, 189

■ 44, 80, 189

■ 194, 196, 189

■ 25, 66, 189

■ 203, 215, 189

■ 7, 52, 189

■ 210, 233, 189

■ 0, 47, 189

■ 218, 252, 189

■ 202, 255, 189

■ 189, 255, 189

Harmonies

Analogous

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



85, 125, 186



120, 137, 189



153, 134, 180

Triad

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



120, 137, 189



187, 131, 115



99, 137, 154

Complementary

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



120, 137, 189



155, 189, 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.



104, 150, 127



120, 137, 189



174, 168, 99

Square

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



120, 137, 189



189, 125, 137



107, 153, 95



74, 116, 155

Rectangle

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



120, 137, 189



171, 129, 168



107, 153, 95



109, 147, 153

Sweetspot

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



120, 137, 189



218, 225, 245



120, 161, 189



106, 110, 122



250, 250, 250



122, 122, 122

Same Dimension

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



120, 137, 189



137, 163, 245



132, 120, 189



85, 87, 94



0, 39, 158



0, 8, 31

Inverse Universe

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



189, 120, 143



245, 137, 172



120, 189, 131



94, 85, 88



158, 0, 52



31, 0, 10

Previews

White Background



This preview shows how the RYB color 120, 137, 189 looks on a white background.

Color Contrast Check

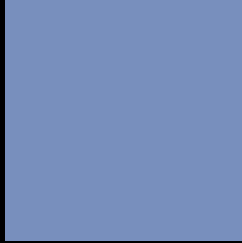
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the RYB color 120, 137, 189 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

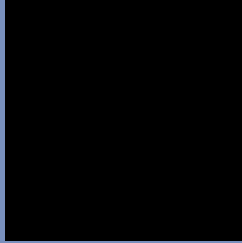
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

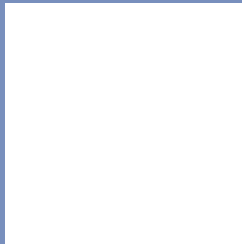
Any Text WCAG AAA × Fail

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

RYB 120, 137, 189 Background



This preview shows how black text looks on a background with the RYB color 120, 137, 189.

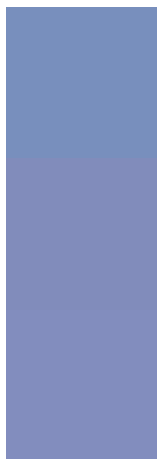


This preview shows how white text looks on a background with the RYB color 120, 137, 189.

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


120, 137, 189

Protanopia

129, 138, 187

Deuteranopia

130, 139, 190



Tritanopia
113, 133, 160

Trichromacy



Original Color
120, 137, 189

Protanomaly
126, 138, 188

Deuteranomaly
126, 138, 190

Tritanomaly
116, 135, 171

Monochromacy



Original Color
120, 137, 189

Achromatopsia
141, 141, 141

Achromatomaly
133, 140, 158

CSS Examples

Text

The CSS property to change the color of the text to RYB 120, 137, 189 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(120, 143, 189)` looks like.

```
.text, #text, p{  
    color:rgb(120, 143, 189)  
}
```

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(120, 143, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 143, 189) }
```

Border

The CSS property to change the border of an element to RYB 120, 137, 189 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(120, 143, 189) }
```

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

```
.border{ border-color:rgb(120, 143, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 143, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(120, 143, 189); -webkit-box-shadow:4px 4px 4px 4px rgb(120, 143, 189); box-shadow:4px 4px 4px 4px rgb(120, 143, 189) }
```

Background

The CSS property to change the background color of an element to RYB 120, 137, 189 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 143, 189) }
```

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

```
.background{ background-color: rgb(120,  
143, 189) }
```

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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