

Converting Colors

`RYB(76, 103, 171)`

Have a look what the booklet for
RYB(76, 103, 171) contains.

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Color

R_YB(76, 103, 171)

Conversions

Conversions Part 1

Format	Color
Hex	4C72AB
RGB	76, 114, 171
RGB Percent	30%, 45%, 67%
CMY	0.7020, 0.5540, 0.3294
CMYK	0.56, 0.33, 0.00, 0.33
HSL	216°, 38%, 48%
HSV	216°, 56%, 67%
XYZ	16.3170, 16.4485, 40.8429
YIQ	109.1360, -40.9450, 9.6710

Conversions

Conversions Part 2

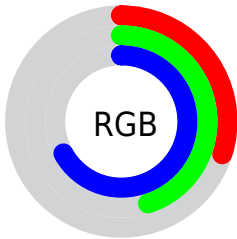
Format	Color
RYB	76, 103, 171
Decimal	5010091
CIELab	47.56, 3.93, -34.66
CIElCh	48, 34.880, 276.476
Yxy	16.4485, 0.2217, 0.2235
Android (android.graphics.Color)	4283200171 (0xFF4C72AB)
YUV	109.1360, 30.4990, -29.0603
Hunter-Lab	40.5567, 0.8410, -31.3188

Details

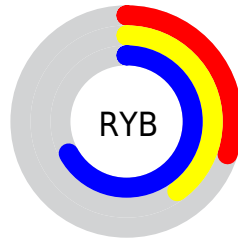
The RYB color **76, 103, 171** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **139, 171, 76**, and the grayscale version is **109, 109, 109**.

A 20% lighter version of the original color is **131, 157, 227**, and **8, 46, 118** is the 20% darker color. If you saturate the color by 10%, you get **59, 91, 171**, and if you desaturate by 10%, it is **93, 115, 171**.

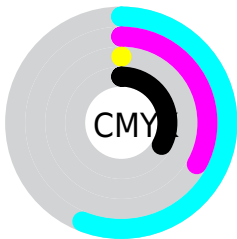
Distribution



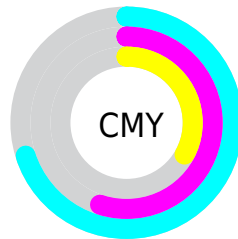
- Red (30%)
- Green (45%)
- Blue (67%)



- Red (30%)
- Yellow (40%)
- Blue (67%)



- Cyan (56%)
- Magenta (33%)
- Yellow (0%)
- Black (33%)






















- Cyan (70%)
- Magenta (55%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the RYB color 76, 103, 171 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 76, 103, 171 by changing the saturation by 10% instead.

 76, 103, 171	 76, 103, 171
 255, 255, 255	 47, 76, 144
 131, 156, 227	 8, 46, 118
 159, 184, 255	 0, 30, 93
 187, 209, 255	 0, 18, 69
 216, 234, 255	 0, 4, 47
 245, 250, 255	 0, 1, 25
	 0, 0, 0

 76, 103, 171	 76, 103, 171
 59, 91, 171	 93, 115, 171

■ 42, 79, 171

■ 110, 127, 171

■ 25, 67, 171

■ 127, 140, 171

■ 8, 54, 171

■ 144, 152, 171

■ 0, 49, 171

■ 161, 164, 171

■ 176, 179, 171

■ 188, 196, 171

■ 200, 213, 171

■ 209, 230, 171

Harmonies

Analogous

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



0, 70, 166



76, 103, 171



124, 103, 160

Triad

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



76, 103, 171



165, 96, 79



54, 103, 126

Complementary

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



76, 103, 171



139, 171, 76

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.



64, 121, 92



76, 103, 171



150, 144, 59

Square

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



76, 103, 171



168, 88, 108



67, 125, 53



0, 67, 128

Rectangle

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



76, 103, 171



146, 95, 146



67, 125, 53



69, 117, 125

Sweetspot

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



76, 103, 171



184, 195, 222



76, 135, 171



90, 96, 112



240, 240, 240



112, 112, 112

Same Dimension

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



76, 103, 171



73, 115, 222



85, 76, 171



78, 80, 87



0, 43, 150



0, 6, 23

Inverse Universe

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



171, 76, 114



222, 73, 132



76, 171, 86



87, 78, 81



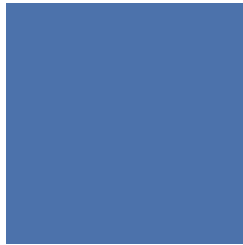
150, 0, 60



23, 0, 9

Previews

White Background



This preview shows how the RYB color 76, 103, 171 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



This preview shows how the RYB color 76, 103, 171 looks on a 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 76, 103, 171 Background



This preview shows how black text looks on a background with the RYB color 76, 103, 171.



This preview shows how white text looks on a background with the RYB color 76, 103, 171.

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
76, 103, 171

Protanopia
93, 107, 168

Deuteranopia
84, 105, 171



Tritanopia
61, 94, 131

Trichromacy



Original Color

76, 103, 171

Protanomaly

87, 106, 169

Deuteranomaly

81, 105, 171

Tritanomaly

66, 98, 146

Monochromacy



Original Color

76, 103, 171

Achromatopsia

109, 109, 109

Achromatomaly

97, 107, 132

CSS Examples

Text

The CSS property to change the color of the text to RYB 76, 103, 171 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(76, 114, 171)` looks like.

```
.text, #text, p{  
    color:rgb(76, 114, 171)  
}
```

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(76, 114, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 114, 171) }
```

Border

The CSS property to change the border of an element to RYB 76, 103, 171 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(76, 114, 171) }
```

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

```
.border{ border-color:rgb(76, 114, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 114, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 114, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 114, 171);  
box-shadow:4px 4px 4px 4px rgb(76, 114,  
171) }
```

Background

The CSS property to change the background color of an element to RGB 76, 114, 171 is called "background".

The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 114, 171) }
```

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

```
.background{ background-color: rgb(76, 114,  
171) }
```

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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