

Converting Colors

`RYB(82, 101, 152)`

Have a look what the booklet for
RYB(82, 101, 152) contains.

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Color

R_YB(82, 101, 152)

Conversions

Conversions Part 1

Format	Color
Hex	526C98
RGB	82, 108, 152
RGB Percent	32%, 42%, 60%
CMY	0.6784, 0.5762, 0.4039
CMYK	0.46, 0.29, 0.00, 0.40
HSL	218°, 30%, 46%
HSV	218°, 46%, 60%
XYZ	14.5180, 14.8025, 31.7978
YIQ	105.2420, -29.6200, 8.1720

Conversions

Conversions Part 2

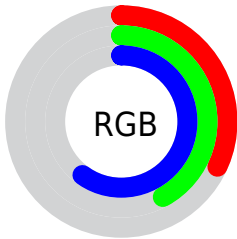
Format	Color
R_{YB}	82, 101, 152
Decimal	5401752
CIE _{Lab}	45.36, 2.78, -26.89
CIE _{LCh}	45, 27.037, 275.906
Yxy	14.8025, 0.2375, 0.2422
Android (android.graphics.Color)	4283591832 (0xFF526C98)
YUV	105.2420, 23.0517, -20.3832
Hunter-Lab	38.4740, 0.0266, -22.0698

Details

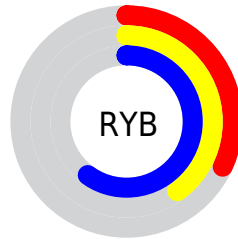
The RYB color **82, 101, 152** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **123, 152, 82**, and the grayscale version is **105, 105, 105**.

A 20% lighter version of the original color is **135, 153, 206**, and **29, 51, 101** is the 20% darker color. If you saturate the color by 10%, you get **67, 90, 152**, and if you desaturate by 10%, it is **97, 112, 152**.

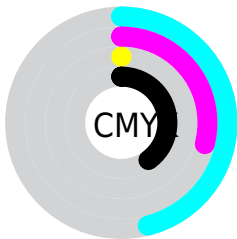
Distribution



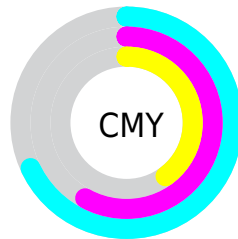
- Red (32%)
- Green (42%)
- Blue (60%)



- Red (32%)
- Yellow (40%)
- Blue (60%)



- Cyan (46%)
- Magenta (29%)
- Yellow (0%)
- Black (40%)



- Cyan (68%)
- Magenta (58%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the RYB color 82, 101, 152 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 82, 101, 152 by changing the saturation by 10% instead.

■ 82, 101, 152

255, 255, 255

■ 135, 153, 206

■ 162, 180, 235

■ 190, 208, 255

■ 218, 233, 255

■ 247, 251, 255

■ 82, 101, 152

■ 56, 76, 126

■ 29, 51, 101

■ 0, 26, 77

■ 0, 14, 54

■ 0, 2, 32

■ 0, 0, 4

■ 0, 0, 0

■ 82, 101, 152

■ 67, 90, 152

■ 82, 101, 152

■ 97, 112, 152

■ 52, 79, 152

■ 112, 123, 152

■ 36, 67, 152

■ 128, 135, 152

■ 21, 57, 152

■ 143, 145, 152

■ 6, 45, 152

■ 155, 158, 152

■ 0, 41, 152

■ 165, 173, 152

■ 172, 188, 152

■ 185, 204, 152

■ 192, 219, 152

Harmonies

Analogous

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



42, 85, 148



82, 101, 152



116, 100, 144

Triad

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



82, 101, 152



149, 95, 82



66, 103, 118

Complementary

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



82, 101, 152



123, 152, 82

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.



70, 114, 90



82, 101, 152



137, 129, 67

Square

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



82, 101, 152



151, 90, 104



76, 118, 62



34, 79, 119

Rectangle

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



82, 101, 152



133, 95, 133



76, 118, 62



76, 113, 117

Sweetspot

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



82, 101, 152



169, 176, 196



82, 125, 152



83, 87, 99



227, 227, 227



99, 99, 99

Same Dimension

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



82, 101, 152



88, 118, 196



90, 82, 152



69, 71, 77



0, 38, 140



0, 4, 13

Inverse Universe

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



152, 82, 108



196, 88, 129



82, 152, 90



77, 69, 72



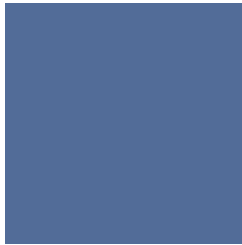
140, 0, 52



13, 0, 5

Previews

White Background



This preview shows how the RYB color 82, 101, 152 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 82, 101, 152 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

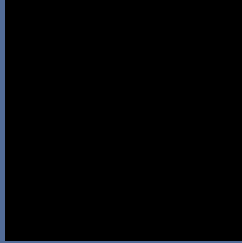
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

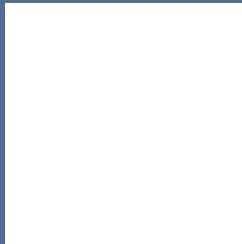
Any Text WCAG AAA × Fail

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

RYB 82, 101, 152 Background



This preview shows how black text looks on a background with the RYB color 82, 101, 152.

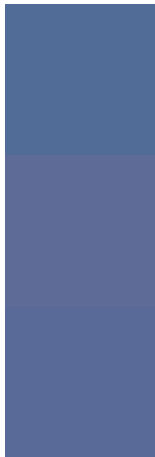


This preview shows how white text looks on a background with the RYB color 82, 101, 152.

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

82, 101, 152

Protanopia

93, 104, 150

Deuteranopia

90, 103, 152



Tritanopia
73, 96, 123

Trichromacy



Original Color
82, 101, 152

Protanomaly
89, 103, 151

Deuteranomaly
87, 102, 152

Tritanomaly
76, 98, 134

Monochromacy



Original Color
82, 101, 152

Achromatopsia
105, 105, 105

Achromatomaly
97, 104, 122

CSS Examples

Text

The CSS property to change the color of the text to RYB 82, 101, 152 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(82, 108, 152)` looks like.

```
.text, #text, p{  
    color:rgb(82, 108, 152)  
}
```

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(82, 108, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 108, 152) }
```

Border

The CSS property to change the border of an element to RYB 82, 101, 152 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(82, 108, 152) }
```

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

```
.border{ border-color:rgb(82, 108, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 108, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 108, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 108, 152);  
box-shadow:4px 4px 4px 4px rgb(82, 108,  
152) }
```

Background

The CSS property to change the background color of an element to RGB 82, 101, 152 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 108, 152) }
```

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

```
.background{ background-color: rgb(82, 108,  
152) }
```

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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