Converting Colors

RYB(191, 46, 102)

Have a look what the booklet for RYB(191, 46, 102) contains.

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Color

RYB(191, 46, 102)

Conversions

Format	Color
Hex	BF2E66
RGB	191, 46, 102
RGB Percent	75%, 18%, 40%
CMY	0.2510, 0.8196, 0.6000
CMYK	0.00, 0.76, 0.47, 0.25
HSL	337°, 61%, 46%
HSV	337°, 76%, 75%
XYZ	24.8611, 13.9897, 13.9603
YIQ	95.7390, 68.4440, 48.1560

Conversions Part 1

Conversions

Conversions Part 2

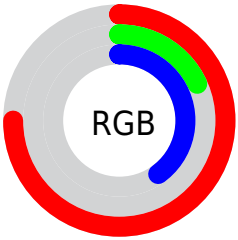
Format	Color
RYB	191, 46, 102
Decimal	12529254
CIELab	44.22, 60.20, 2.97
CIELCh	44, 60.278, 2.829
Yxy	13.9897, 0.4708, 0.2649
Android (android.graphics.Color)	4290719334 (0xFFBF2E66)
YUV	95.7390, 3.0867, 83.5439
Hunter-Lab	37.4028, 53.1918, 4.0524

Details

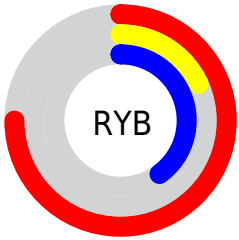
The RYB color 191, 46, 102 is a dark color, and the websafe version is hex CC3366. A complement of this color would be 46, 136, 191, and the grayscale version is 96, 96, 96.

A 20% lighter version of the original color is 252, 105, 153, and 132, 0, 56 is the 20% darker color. If you saturate the color by 10%, you get 191, 27, 90, and if you desaturate by 10%, it is 191, 65, 114.

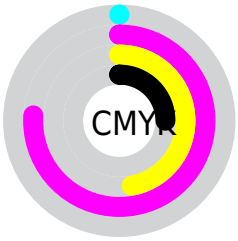
Distribution



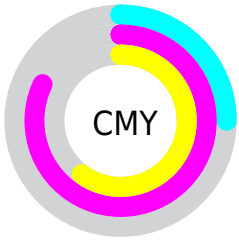
- Red (75%)
- Green (18%)
- Blue (40%)



- Red (75%)
- Yellow (18%)
- Blue (40%)



- Cyan (0%)
- Magenta (76%)
- Yellow (47%)
- Black (25%)



- Cyan (25%)
- Magenta (82%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the RYB color 191, 46, 102 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 191, 46, 102 by changing the saturation by 10% instead.

191, 46, 102	191, 46, 102
255, 255, 255	161, 0, 78
252, 105, 153	132, 0, 56
255, 133, 179	103, 0, 34
255, 162, 207	75, 0, 12
255, 190, 235	47, 0, 2
255, 219, 255	0, 0, 0
255, 249, 255	

191, 46, 102	191, 46, 102
191, 27, 90	191, 65, 114

191, 8, 79

191, 0, 74

191, 84, 125

191, 103, 137

191, 122, 149

191, 142, 161

191, 161, 172

191, 180, 184

191, 196, 199

191, 208, 218

Harmonies

Analogous

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

167, 62, 151

191, 46, 102

187, 60, 53

Triad

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

191, 46, 102

0, 117, 46

0, 75, 194

Complementary

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

191, 46, 102

46, 136, 191

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.

0, 70, 158

191, 46, 102

0, 85, 124

Square

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

191, 46, 102

21, 122, 0

0, 69, 127

0, 71, 206

Rectangle

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

191, 46, 102

172, 108, 21

0, 69, 127

0, 74, 184

Sweetspot

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

191, 46, 102

247, 190, 212

133, 46, 191

125, 90, 103

252, 252, 252

125, 125, 125

Same Dimension

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

191, 46, 102

247, 22, 109

191, 63, 46

94, 85, 89

158, 0, 61

31, 0, 12

Inverse Universe

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

191, 46, 102

247, 22, 109

46, 115, 191

94, 85, 89

158, 0, 61

31, 0, 12

Previews

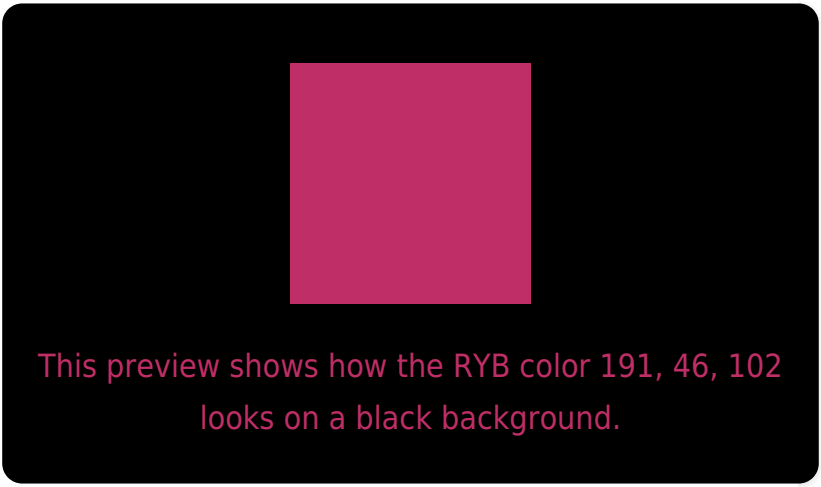
White Background

This preview shows how the RYB color 191, 46, 102 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

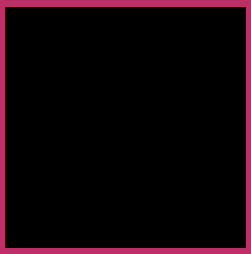


Color Contrast Check

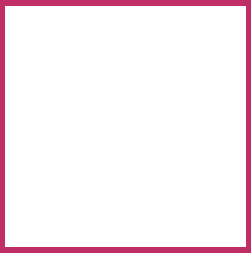
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA × Fail
Large Text (above 18pt) WCAG AAA × Fail
Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the Color Contrast Checker.

RYB 191, 46, 102 Background



This preview shows how black text looks on a background with the RYB color 191, 46, 102.



This preview shows how white text looks on a background with the RYB color 191, 46, 102.

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

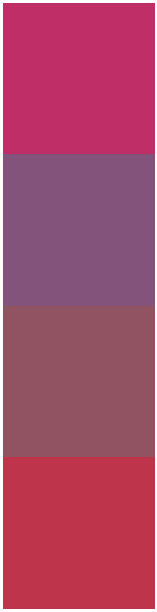
Original Color
191, 46, 102

Protanopia
97, 103, 136

Deuteranopia
119, 105, 95

Tritanopia
189, 57, 60

Trichromacy



Original Color
191, 46, 102

Protanomaly
131, 83, 124

Deuteranomaly
145, 82, 98

Tritanomaly
190, 53, 75

Monochromacy

Original Color
191, 46, 102

Achromatopsia
96, 96, 96

Achromatomaly
131, 78, 98

CSS Examples

Text

The CSS property to change the color of the text to RYB 191, 46, 102 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(191, 46, 102) looks like.

```
.text, #text, p{
    color:rgb(191, 46, 102)
}
```

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(191, 46, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 46, 102) }
```

Border

The CSS property to change the border of an element to RYB 191, 46, 102 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(191, 46, 102) }
```

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

```
.border{ border-color:rgb(191, 46, 102) }
```

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

Here you see how a box with a 4 pixel rgb(191, 46, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(191, 46, 102); -webkit-box-shadow:4px 4px 4px 4px rgb(191, 46, 102); box-shadow:4px 4px 4px 4px rgb(191, 46, 102) }
```

Background

The CSS property to change the background color of an element to RYB 191, 46, 102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(191, 46, 102) }
```

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

```
.background{ background-color:rgb(191, 46,
102) }
```

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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