

Converting Colors

`RYB(202, 123, 145)`

Have a look what the booklet for
RYB(202, 123, 145) contains.

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Color

$\text{RYB}(202, 123, 145)$

Conversions

Conversions Part 1

Format	Color
Hex	CA7B91
RGB	202, 123, 145
RGB Percent	79%, 48%, 57%
CMY	0.2078, 0.5176, 0.4314
CMYK	0.00, 0.39, 0.28, 0.21
HSL	343°, 43%, 64%
HSV	343°, 39%, 79%
XYZ	36.5509, 28.7668, 30.4142
YIQ	149.1290, 40.0220, 23.5900

Conversions

Conversions Part 2

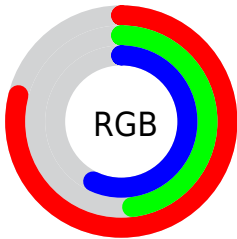
Format	Color
R _Y B	202, 123, 145
Decimal	13269905
CIE Lab	60.58, 33.53, 1.29
CIE LCh	61, 33.558, 2.200
Yxy	28.7668, 0.3818, 0.3005
Android (android.graphics.Color)	4291459985 (0xFFCA7B91)
YUV	149.1290, -2.0356, 46.3679
Hunter-Lab	53.6347, 27.7833, 3.9232

Details

The RYB color **202, 123, 145** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **123, 169, 202**, and the grayscale version is **149, 149, 149**.

A 20% lighter version of the original color is **255, 177, 199**, and **146, 72, 95** is the 20% darker color. If you saturate the color by 10%, you get **202, 103, 130**, and if you desaturate by 10%, it is **202, 143, 160**.

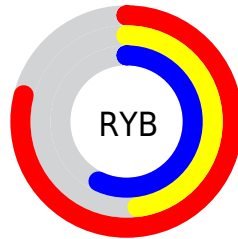
Distribution



Red (79%)

Green (48%)

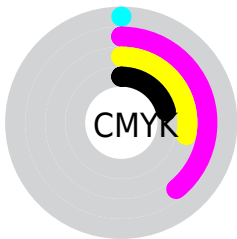
Blue (57%)



Red (79%)

Yellow (48%)

Blue (57%)

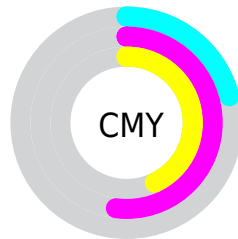


Cyan (0%)

Magenta (39%)

Yellow (28%)

Black (21%)



Cyan (21%)

Magenta (52%)

Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the RYB color 202, 123, 145 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 202, 123, 145 by changing the saturation by 10% instead.

 202, 123, 145

255, 255, 255

 255, 177, 199


 255, 204, 227

 255, 233, 255

 202, 123, 145

 174, 97, 119

 146, 72, 95

 119, 48, 71

 92, 23, 49

 67, 0, 28

 46, 0, 1

 0, 0, 0

 202, 123, 145

 202, 103, 130

 202, 123, 145

 202, 143, 160

■ 202, 83, 116

■ 202, 163, 174

■ 202, 62, 101

■ 202, 184, 189

■ 202, 42, 87

■ 202, 203, 204

■ 202, 22, 72

■ 202, 215, 224

■ 202, 2, 58

■ 202, 227, 244

■ 202, 0, 56

■ 202, 231, 255

■ 202, 229, 255

Harmonies

Analogous

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



185, 128, 174



202, 123, 145



202, 127, 116

Triad

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



202, 123, 145



95, 154, 117



54, 114, 198

Complementary

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



202, 123, 145



123, 169, 202

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.



17, 93, 177



202, 123, 145



97, 143, 159

Square

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



202, 123, 145



109, 163, 86



56, 113, 162



107, 136, 205

Rectangle

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



202, 123, 145



194, 146, 100



56, 113, 162



36, 104, 192

Sweetspot

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



202, 123, 145



255, 224, 233



180, 123, 202



128, 110, 115



0, 0, 0



128, 128, 128

Same Dimension

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



202, 123, 145



255, 135, 169



202, 145, 123



102, 92, 95



166, 0, 46



38, 0, 11

Inverse Universe

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



202, 123, 145



255, 135, 169



123, 158, 202



102, 92, 95



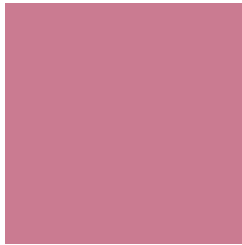
166, 0, 46



38, 0, 11

Previews

White Background



This preview shows how the RYB color 202, 123, 145 looks on a white background.

Color Contrast Check

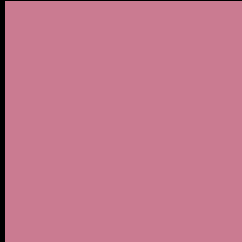
Large Text (above 18pt) WCAG AA ✓ Pass

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 202, 123, 145 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 202, 123, 145 Background



This preview shows how black text looks on a background with the RYB color 202, 123, 145.



This preview shows how white text looks on a background with the RYB color 202, 123, 145.

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
202, 123, 145

Protanopia
146, 146, 158

Deuteranopia
162, 142, 142



Tritanopia

201, 125, 134

Trichromacy



Original Color
202, 123, 145

Protanomaly
166, 138, 153

Deuteranomaly
177, 135, 143

Tritanomaly
201, 124, 138

Monochromacy



Original Color
202, 123, 145

Achromatopsia
149, 149, 149

Achromatomaly
168, 140, 148

CSS Examples

Text

The CSS property to change the color of the text to RYB 202, 123, 145 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(202, 123, 145)` looks like.

```
.text, #text, p{  
    color:rgb(202, 123, 145)  
}
```

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(202, 123, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 123, 145) }
```

Border

The CSS property to change the border of an element to RYB 202, 123, 145 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(202, 123, 145) }
```

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

```
.border{ border-color:rgb(202, 123, 145) }
```

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

Here you see how a box with a 4 pixel rgb(202, 123, 145) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 123, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 123, 145);  
box-shadow:4px 4px 4px 4px rgb(202, 123,  
145) }
```

Background

The CSS property to change the background color of an element to RGB 202, 123, 145 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 123, 145) }
```

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

```
.background{ background-color: rgb(202,  
123, 145) }
```

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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