

Converting Colors

`RYB(220, 119, 170)`

Have a look what the booklet for
RYB(220, 119, 170) contains.

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Color

R_YB(220, 119, 170)

Conversions

Conversions Part 1

Format	Color
Hex	DC77AA
RGB	220, 119, 170
RGB Percent	86%, 47%, 67%
CMY	0.1373, 0.5333, 0.3333
CMYK	0.00, 0.46, 0.23, 0.14
HSL	330°, 59%, 66%
HSV	330°, 46%, 86%
XYZ	43.3677, 31.3116, 41.7882
YIQ	155.0130, 43.8250, 37.2730

Conversions

Conversions Part 2

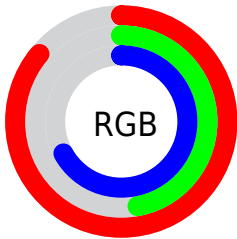
Format	Color
R_{YB}	220, 119, 170
Decimal	14448554
CIE _{Lab}	62.77, 45.40, -9.53
CIE _{LCh}	63, 46.393, 348.142
Yxy	31.3116, 0.3724, 0.2688
Android (android.graphics.Color)	4292638634 (0xFFDC77AA)
YUV	155.0130, 7.3886, 56.9936
Hunter-Lab	55.9567, 40.4172, -5.1078

Details

The RYB color **220, 119, 170** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **119, 187, 220**, and the grayscale version is **155, 155, 155**.

A 20% lighter version of the original color is **255, 173, 225**, and **163, 66, 118** is the 20% darker color. If you saturate the color by 10%, you get **220, 97, 159**, and if you desaturate by 10%, it is **220, 141, 181**.

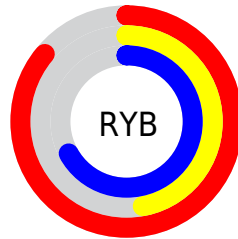
Distribution



Red (86%)

Green (47%)

Blue (67%)



Red (86%)

Yellow (47%)

Blue (67%)

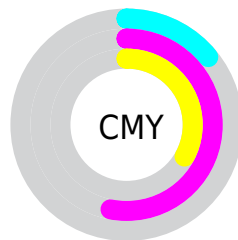


Cyan (0%)

Magenta (46%)

Yellow (23%)

Black (14%)



Cyan (14%)


Magenta (53%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the RYB color 220, 119, 170 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 220, 119, 170 by changing the saturation by 10% instead.

 220, 119, 170


255, 255, 255

 255, 173, 225

 255, 202, 254

 255, 230, 255

 220, 119, 170

 191, 93, 144

 163, 66, 118

 135, 40, 93

 108, 6, 70


 81, 0, 47

 56, 0, 27

 27, 0, 1

 0, 0, 0

 220, 119, 170

 220, 119, 170

■ 220, 97, 159

■ 220, 141, 181

■ 220, 75, 148

■ 220, 163, 192

■ 220, 53, 137

■ 220, 185, 203

■ 220, 31, 126

■ 220, 207, 214

■ 220, 9, 116

■ 220, 226, 229

■ 220, 0, 111

■ 220, 241, 251

■ 220, 240, 255

■ 220, 238, 255

Harmonies

Analogous

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



186, 131, 207



220, 119, 170



230, 118, 128

Triad

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



220, 119, 170



70, 157, 75



0, 94, 212

Complementary

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



220, 119, 170



119, 187, 220

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, 87, 176



220, 119, 170



95, 167, 158

Square

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



220, 119, 170



145, 190, 70



24, 109, 172



1, 96, 232

Rectangle

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



220, 119, 170



224, 128, 103



24, 109, 172



0, 93, 202

Sweetspot

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



220, 119, 170



255, 219, 237



168, 119, 220



128, 106, 117



0, 0, 0



128, 128, 128

Same Dimension

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



220, 119, 170



255, 115, 186



220, 119, 121



110, 99, 104



173, 0, 88



46, 0, 23

Inverse Universe

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



220, 119, 170



255, 115, 186



119, 170, 220



110, 99, 104



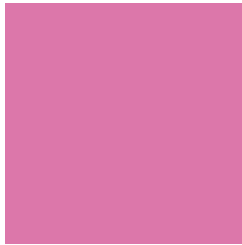
173, 0, 88



46, 0, 23

Previews

White Background



This preview shows how the RYB color 220, 119, 170 looks on a white background.

Color Contrast Check

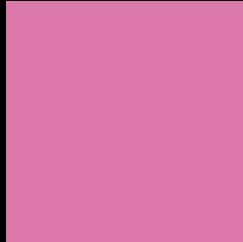
Large Text (above 18pt) WCAG AA × Fail

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 220, 119, 170 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 ✓ Pass

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

RYB 220, 119, 170 Background



This preview shows how black text looks on a background with the RYB color 220, 119, 170.

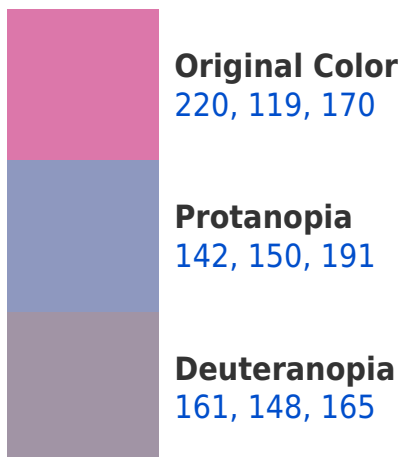


This preview shows how white text looks on a background with the RYB color 220, 119, 170.

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





Tritanopia
217, 126, 135

Trichromacy



Original Color

220, 119, 170



Protanomaly

170, 139, 183



Deuteranomaly

182, 137, 167



Tritanomaly

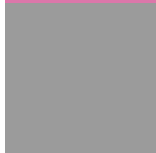
218, 123, 148

Monochromacy



Original Color

220, 119, 170



Achromatopsia

155, 155, 155



Achromatomaly

179, 142, 160

CSS Examples

Text

The CSS property to change the color of the text to RYB 220, 119, 170 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(220, 119, 170)` looks like.

```
.text, #text, p{  
    color:rgb(220, 119, 170)  
}
```

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(220, 119, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 119, 170) }
```

Border

The CSS property to change the border of an element to RYB 220, 119, 170 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(220, 119, 170) }
```

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

```
.border{ border-color:rgb(220, 119, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 119, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 119, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 119, 170);  
box-shadow:4px 4px 4px 4px rgb(220, 119,  
170) }
```

Background

The CSS property to change the background color of an element to RGB 220, 119, 170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 119, 170) }
```

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

```
.background{ background-color: rgb(220,  
119, 170) }
```

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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