

Converting Colors

`RYB(204, 128, 171)`

Have a look what the booklet for
RYB(204, 128, 171) contains.

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Color

R_YB(204, 128, 171)

Conversions

Conversions Part 1

Format	Color
Hex	CC80AB
RGB	204, 128, 171
RGB Percent	80%, 50%, 67%
CMY	0.2000, 0.4980, 0.3294
CMYK	0.00, 0.37, 0.16, 0.20
HSL	326°, 43%, 65%
HSV	326°, 37%, 80%
XYZ	39.9717, 31.2160, 42.4466
YIQ	155.6260, 31.4930, 29.4850

Conversions

Conversions Part 2

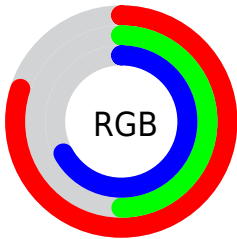
Format	Color
R_{YB}	204, 128, 171
Decimal	13402283
CIE _{Lab}	62.69, 35.43, -10.43
CIE _{LCh}	63, 36.931, 343.594
Yxy	31.2160, 0.3518, 0.2747
Android (android.graphics.Color)	4291592363 (0xFFCC80AB)
YUV	155.6260, 7.5794, 42.4240
Hunter-Lab	55.8713, 29.9286, -5.9340

Details

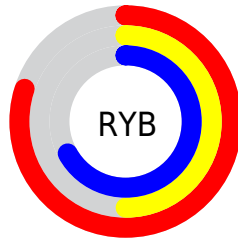
The RYB color **204, 128, 171** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **128, 181, 204**, and the grayscale version is **156, 156, 156**.

A 20% lighter version of the original color is **255, 182, 226**, and **148, 77, 119** is the 20% darker color. If you saturate the color by 10%, you get **204, 108, 162**, and if you desaturate by 10%, it is **204, 148, 180**.

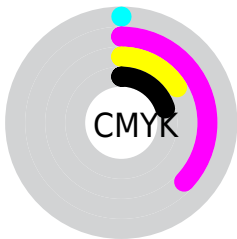
Distribution



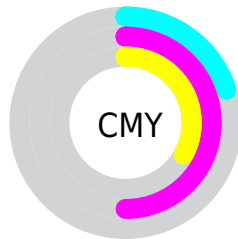
- Red (80%)
- Green (50%)
- Blue (67%)



- Red (80%)
- Yellow (50%)
- Blue (67%)



- Cyan (0%)
- Magenta (37%)
- Yellow (16%)
- Black (20%)





- Cyan (20%)
- Magenta (50%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the RYB color 204, 128, 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 204, 128, 171 by changing the saturation by 10% instead.


 204, 128, 171

 204, 128, 171

255, 255, 255

 176, 102, 144

 255, 182, 226

 148, 77, 119

 255, 210, 255

 122, 52, 94

 255, 239, 255


 95, 28, 70


 70, 0, 48


 47, 0, 27

 10, 0, 0

 0, 0, 0

 204, 128, 171


 204, 128, 171


 204, 108, 162

 204, 148, 180

 204, 87, 153


 204, 169, 189

 204, 67, 144

 204, 189, 198

 204, 46, 136

 204, 209, 210

 204, 26, 127

 204, 222, 230

 204, 6, 118

 204, 236, 250

 204, 0, 115

 204, 237, 255

 204, 233, 255

 204, 231, 255

Harmonies

Analogous

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



174, 138, 199



204, 128, 171



215, 126, 138

Triad

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



204, 128, 171



91, 158, 87



0, 90, 196

Complementary

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



204, 128, 171



128, 181, 204

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.



11, 91, 169



204, 128, 171



103, 163, 144

Square

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



204, 128, 171



172, 188, 89



79, 135, 168



67, 124, 214

Rectangle

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



204, 128, 171



213, 131, 117



79, 135, 168



0, 88, 187

Sweetspot

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



204, 128, 171



255, 227, 243



161, 128, 204



128, 111, 120



0, 0, 0



128, 128, 128

Same Dimension

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



204, 128, 171



255, 140, 205



204, 128, 133



102, 92, 98



166, 0, 94



38, 0, 22

Inverse Universe

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



204, 128, 171



255, 140, 205



128, 167, 204



102, 92, 98



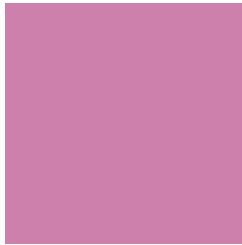
166, 0, 94



38, 0, 22

Previews

White Background



This preview shows how the RYB color 204, 128, 171 looks on a white background.

Color Contrast Check

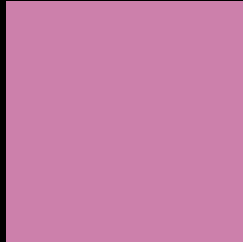
Large Text (above 18pt) WCAG AA × Fail

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 204, 128, 171 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

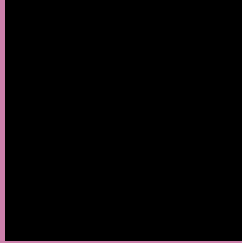
Any Text WCAG AA ✓ Pass

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 204, 128, 171 Background



This preview shows how black text looks on a background with the RYB color 204, 128, 171.



This preview shows how white text looks on a background with the RYB color 204, 128, 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
204, 128, 171

Protanopia
144, 150, 186

Deuteranopia
160, 148, 167



Tritanopia
201, 133, 143

Trichromacy



Original Color

204, 128, 171



Protanomaly

166, 143, 181



Deuteranomaly

176, 141, 168



Tritanomaly

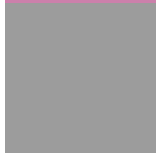
202, 131, 153

Monochromacy



Original Color

204, 128, 171



Achromatopsia

156, 156, 156



Achromatomaly

173, 146, 161

CSS Examples

Text

The CSS property to change the color of the text to RYB 204, 128, 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(204, 128, 171) looks like.

```
.text, #text, p{  
    color:rgb(204, 128, 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(204, 128, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 128, 171) }
```

Border

The CSS property to change the border of an element to RYB 204, 128, 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(204, 128, 171) }
```

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

```
.border{ border-color:rgb(204, 128, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 128, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 128, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 128, 171);  
box-shadow:4px 4px 4px 4px rgb(204, 128,  
171) }
```

Background

The CSS property to change the background color of an element to RGB 204, 128, 171 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 128, 171) }
```

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

```
.background{ background-color: rgb(204,  
128, 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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