

Converting Colors

`RYB(197, 112, 228)`

Have a look what the booklet for
RYB(197, 112, 228) contains.

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Color

R_YB(197, 112, 228)

Conversions

Conversions Part 1

Format	Color
Hex	C570E4
RGB	197, 112, 228
RGB Percent	77%, 44%, 89%
CMY	0.2275, 0.5608, 0.1059
CMYK	0.14, 0.51, 0.00, 0.11
HSL	284°, 68%, 67%
HSV	284°, 51%, 89%
XYZ	42.8237, 29.0601, 76.7509
YIQ	150.6390, 13.4240, 54.0960

Conversions

Conversions Part 2

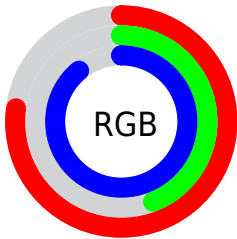
Format	Color
R_{YB}	197, 112, 228
Decimal	12939492
CIE _{Lab}	60.83, 52.13, -45.52
CIE _{LCh}	61, 69.205, 318.871
Yxy	29.0601, 0.2881, 0.1955
Android (android.graphics.Color)	4291129572 (0xFFC570E4)
YUV	150.6390, 38.1390, 40.6586
Hunter-Lab	53.9074, 47.4613, -46.6792

Details

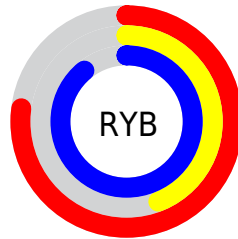
The RYB color **197, 112, 228** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **112, 228, 197**, and the grayscale version is **150, 150, 150**.

A 20% lighter version of the original color is **255, 166, 255**, and **141, 59, 172** is the 20% darker color. If you saturate the color by 10%, you get **191, 89, 228**, and if you desaturate by 10%, it is **203, 135, 228**.

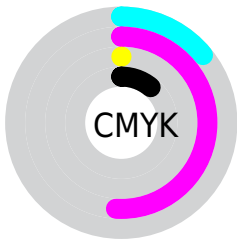
Distribution



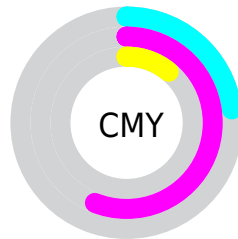
- Red (77%)
- Green (44%)
- Blue (89%)



- Red (77%)
- Yellow (44%)
- Blue (89%)



- Cyan (14%)
- Magenta (51%)
- Yellow (0%)
- Black (11%)



- Cyan (23%)
- Magenta (56%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the RYB color 197, 112, 228 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 197, 112, 228 by changing the saturation by 10% instead.

 197, 112, 228

255, 255, 255

 255, 166, 255


 255, 194, 255

 255, 223, 255

 255, 252, 255

 197, 112, 228

 169, 86, 200

 141, 59, 172

 113, 32, 145

 86, 0, 119

 60, 0, 94

 37, 0, 69


 0, 0, 46


 0, 1, 24

 0, 0, 0


 197, 112, 228


 197, 112, 228

 191, 89, 228


 203, 135, 228


 185, 66, 228

 209, 158, 228

 179, 44, 228

 215, 180, 228

 173, 21, 228

 221, 203, 228

 167, 0, 228

 227, 226, 228

 228, 249, 243

 228, 255, 243

 228, 255, 237

 228, 255, 231

Harmonies

Analogous

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



96, 130, 255



197, 112, 228



245, 87, 172

Triad

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



197, 112, 228



85, 195, 0



0, 90, 185

Complementary

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



197, 112, 228



112, 228, 197

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, 102, 173



197, 112, 228



0, 155, 16

Square

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



197, 112, 228



236, 132, 55



59, 166, 167



0, 100, 238

Rectangle

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



197, 112, 228



255, 82, 131



59, 166, 167



0, 90, 175

Sweetspot

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



197, 112, 228



245, 217, 255



112, 138, 228



121, 105, 128



0, 0, 0



128, 128, 128

Same Dimension

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



197, 112, 228



213, 99, 255



228, 112, 203



112, 103, 115



131, 0, 179



37, 0, 51

Inverse Universe

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



228, 112, 143



255, 99, 141



112, 207, 228



115, 103, 106



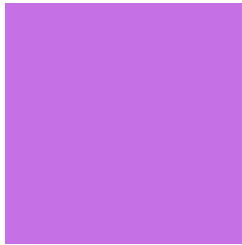
179, 0, 48



51, 0, 14

Previews

White Background



This preview shows how the RYB color 197, 112, 228 looks on a white background.

Color Contrast Check

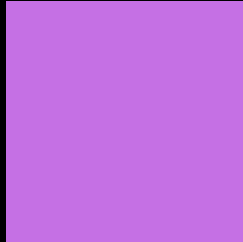
Large Text (above 18pt) WCAG AA ✓ Pass

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 197, 112, 228 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

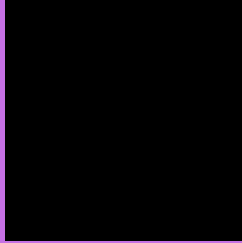
Any Text WCAG AA ✓ Pass

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 197, 112, 228 Background



This preview shows how black text looks on a background with the RYB color 197, 112, 228.



This preview shows how white text looks on a background with the RYB color 197, 112, 228.

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
197, 112, 228

Protanopia
97, 133, 255

Deuteranopia
112, 138, 221



Tritanopia
185, 133, 143

Trichromacy



Original Color

197, 112, 228



Protanomaly

133, 132, 245



Deuteranomaly

143, 134, 224



Tritanomaly

189, 125, 174

Monochromacy



Original Color

197, 112, 228



Achromatopsia

151, 151, 151



Achromatomaly

168, 137, 179

CSS Examples

Text

The CSS property to change the color of the text to RYB 197, 112, 228 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(197, 112, 228)` looks like.

```
.text, #text, p{  
    color:rgb(197, 112, 228)  
}
```

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(197, 112, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 112, 228) }
```

Border

The CSS property to change the border of an element to RYB 197, 112, 228 is called "border". The border property can be set on classes, ids or directly on the HTML element.

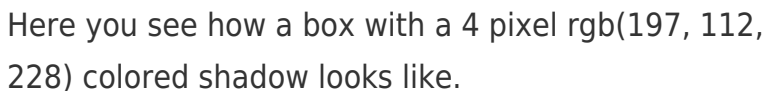
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(197, 112, 228) }
```

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

```
.border{ border-color:rgb(197, 112, 228) }
```

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



Here you see how a box with a 4 pixel `rgb(197, 112, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 112, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 112, 228);  
box-shadow:4px 4px 4px 4px rgb(197, 112,  
228) }
```

Background

The CSS property to change the background color of an element to RYB 197, 112, 228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 112, 228) }
```

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

```
.background{ background-color: rgb(197,  
112, 228) }
```

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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