

Converting Colors

`RYB(228, 188, 252)`

Have a look what the booklet for
RYB(228, 188, 252) contains.

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Color

R_YB(228, 188, 252)

Conversions

Conversions Part 1

Format	Color
Hex	E4BCFC
RGB	228, 188, 252
RGB Percent	89%, 74%, 99%
CMY	0.1059, 0.2627, 0.0118
CMYK	0.10, 0.25, 0.00, 0.01
HSL	278°, 91%, 86%
HSV	278°, 25%, 99%
XYZ	67.5488, 59.4887, 100.0177
YIQ	207.2560, 3.2960, 28.3840

Conversions

Conversions Part 2

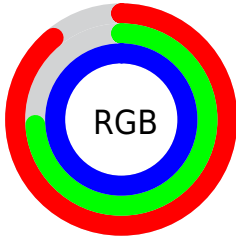
Format	Color
R _Y B	228, 188, 252
Decimal	14990588
CIE Lab	81.56, 25.69, -26.21
CIE LCh	82, 36.698, 314.419
Yxy	59.4887, 0.2975, 0.2620
Android (android.graphics.Color)	4293180668 (0xFFE4BCFC)
YUV	207.2560, 22.0588, 18.1925
Hunter-Lab	77.1289, 21.3531, -22.8947

Details

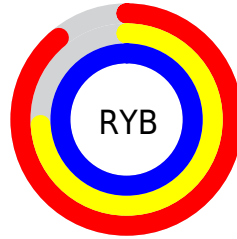
The RYB color **228, 188, 252** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **188, 252, 228**, and the grayscale version is **207, 207, 207**.

A 20% lighter version of the original color is **255, 244, 255**, and **172, 134, 195** is the 20% darker color. If you saturate the color by 10%, you get **219, 163, 252**, and if you desaturate by 10%, it is **237, 213, 252**.

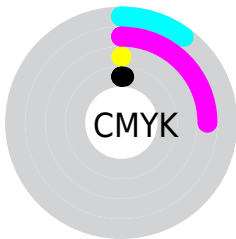
Distribution



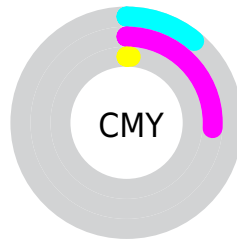
- Red (89%)
- Green (74%)
- Blue (99%)



- Red (89%)
- Yellow (74%)
- Blue (99%)



- Cyan (10%)
- Magenta (25%)
- Yellow (0%)
- Black (1%)



- Cyan (11%)
- Magenta (26%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the RYB color 228, 188, 252 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 228, 188, 252 by changing the saturation by 10% instead.


 228, 188, 252

255, 255, 255

 255, 244, 255

 228, 188, 252

 200, 161, 223

 172, 134, 195

 145, 109, 168

 119, 84, 141

 93, 61, 116

 69, 38, 91

 45, 16, 67

 27, 0, 45

 0, 1, 23

■ 228, 188, 252

■ 228, 188, 252

■ 219, 163, 252

■ 237, 213, 252

■ 209, 138, 252

■ 247, 238, 252

■ 200, 112, 252

252, 255, 252

■ 190, 87, 252

■ 181, 62, 252

■ 171, 37, 252

■ 162, 12, 252

■ 158, 0, 252

Harmonies

Analogous

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



182, 196, 255



228, 188, 252



255, 179, 222

Triad

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



228, 188, 252



225, 242, 137



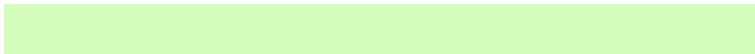
94, 159, 222

Complementary

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



228, 188, 252



188, 252, 228

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.



130, 187, 220



228, 188, 252



139, 210, 135

Square

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



228, 188, 252



255, 193, 156



153, 215, 197



90, 161, 250

Rectangle

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



228, 188, 252



255, 177, 199



153, 215, 197



105, 168, 222

Sweetspot

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



228, 188, 252



247, 235, 255



188, 206, 252



123, 115, 128



0, 0, 0



128, 128, 128

Same Dimension

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



228, 188, 252



226, 179, 255



252, 188, 245



120, 112, 125



118, 0, 189



38, 0, 61

Inverse Universe

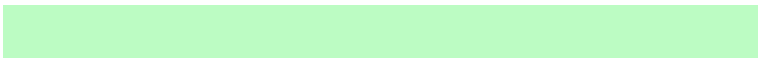
The Inverse Universe completely reimagines the original color for something new.



252, 188, 212



255, 179, 207



188, 246, 252



125, 112, 117



189, 0, 71



61, 0, 23

Previews

White Background



This preview shows how the RYB color 228, 188, 252 looks on a white background.

Color Contrast Check

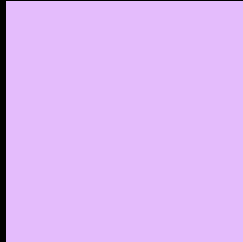
Large Text (above 18pt) WCAG AA × Fail

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 228, 188, 252 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 228, 188, 252 Background



This preview shows how black text looks on a background with the RYB color 228, 188, 252.



This preview shows how white text looks on a background with the RYB color 228, 188, 252.

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
228, 188, 252

Protanopia
189, 199, 255

Deuteranopia
199, 199, 250



Tritanopia
222, 196, 211

Trichromacy



Original Color

228, 188, 252



Protanomaly

203, 196, 254



Deuteranomaly

210, 195, 251



Tritanomaly

224, 193, 226

Monochromacy



Original Color

228, 188, 252



Achromatopsia

207, 207, 207



Achromatomaly

215, 200, 223

CSS Examples

Text

The CSS property to change the color of the text to RYB 228, 188, 252 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(228, 188, 252) looks like.

```
.text, #text, p{  
    color:rgb(228, 188, 252)  
}
```

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(228, 188, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 188, 252) }
```

Border

The CSS property to change the border of an element to RYB 228, 188, 252 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(228, 188, 252) }
```

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

```
.border{ border-color:rgb(228, 188, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 188, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 188, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 188, 252);  
box-shadow:4px 4px 4px 4px rgb(228, 188,  
252) }
```

Background

The CSS property to change the background color of an element to RGB 228, 188, 252 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 188, 252) }
```

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

```
.background{ background-color: rgb(228,  
188, 252) }
```

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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