

Converting Colors

`RYB(172, 166, 225)`

Have a look what the booklet for
RYB(172, 166, 225) contains.

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Color

R_YB(172, 166, 225)

Conversions

Conversions Part 1

Format	Color
Hex	ACA6E1
RGB	172, 166, 225
RGB Percent	67%, 65%, 88%
CMY	0.3255, 0.3490, 0.1176
CMYK	0.24, 0.26, 0.00, 0.12
HSL	246°, 50%, 77%
HSV	246°, 26%, 88%
XYZ	44.2401, 41.4793, 76.9088
YIQ	174.5200, -15.3630, 19.6210

Conversions

Conversions Part 2

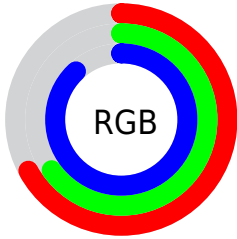
Format	Color
R _Y B	172, 166, 225
Decimal	11314913
CIE _{Lab}	70.51, 14.60, -28.96
CIE _{LCh}	71, 32.433, 296.758
Yxy	41.4793, 0.2720, 0.2551
Android (android.graphics.Color)	4289504993 (0xFFACA6E1)
YUV	174.5200, 24.8866, -2.2100
Hunter-Lab	64.4045, 9.9057, -25.7182

Details

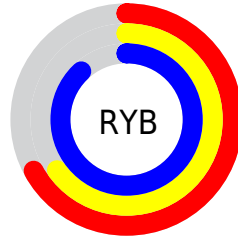
The RYB color **172, 166, 225** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **166, 225, 172**, and the grayscale version is **174, 174, 174**.

A 20% lighter version of the original color is **228, 221, 255**, and **119, 114, 170** is the 20% darker color. If you saturate the color by 10%, you get **152, 144, 225**, and if you desaturate by 10%, it is **192, 189, 225**.

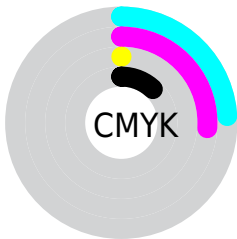
Distribution



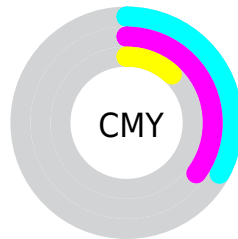
- Red (67%)
- Green (65%)
- Blue (88%)



- Red (67%)
- Yellow (65%)
- Blue (88%)



- Cyan (24%)
- Magenta (26%)
- Yellow (0%)
- Black (12%)




- Cyan (33%)
- Magenta (35%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the RYB color 172, 166, 225 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 172, 166, 225 by changing the saturation by 10% instead.

 172, 166, 225

255, 255, 255

 228, 221, 255

 255, 250, 255

 172, 166, 225

 145, 140, 197

 119, 114, 170

 93, 90, 143

 68, 66, 117


 44, 44, 92

 18, 23, 68


 0, 0, 46


 0, 1, 24


 0, 0, 0

 172, 166, 225


 172, 166, 225

 152, 144, 225

 192, 189, 225

 132, 121, 225

 212, 211, 225

 111, 99, 225


 225, 234, 226


 91, 76, 225


 225, 255, 227

 71, 54, 225

 225, 255, 225

 51, 31, 225

 31, 9, 225

 23, 0, 225

Harmonies

Analogous

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



128, 161, 231



172, 166, 225



207, 156, 205

Triad

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



172, 166, 225



219, 179, 124



96, 148, 188

Complementary

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



172, 166, 225



166, 225, 172

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.



131, 178, 185



172, 166, 225



152, 196, 114

Square

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



172, 166, 225



231, 152, 147



119, 179, 133



73, 133, 198

Rectangle

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



172, 166, 225



222, 152, 187



119, 179, 133



108, 157, 188

Sweetspot

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



172, 166, 225



237, 235, 255



166, 194, 225



116, 115, 128



0, 0, 0



128, 128, 128

Same Dimension

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



172, 166, 225



184, 176, 255



201, 166, 225



102, 101, 112



18, 0, 176



5, 0, 48

Inverse Universe

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



225, 166, 219



255, 176, 247



166, 225, 201



112, 101, 111



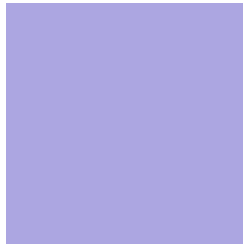
176, 0, 158



48, 0, 44

Previews

White Background



This preview shows how the RYB color 172, 166, 225 looks on a white background.

Color Contrast Check

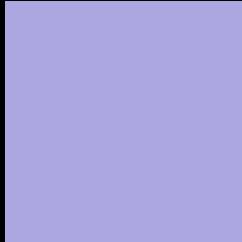
Large Text (above 18pt) WCAG AA × Fail

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 172, 166, 225 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

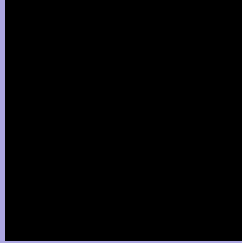
Any Text WCAG AA ✓ Pass

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 172, 166, 225 Background



This preview shows how black text looks on a background with the RYB color 172, 166, 225.



This preview shows how white text looks on a background with the RYB color 172, 166, 225.

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

172, 166, 225

Protanopia

156, 168, 228

Deuteranopia

161, 168, 224



Tritanopia
165, 171, 187

Trichromacy



Original Color
172, 166, 225

Protanomaly
162, 168, 227

Deuteranomaly
165, 168, 224

Tritanomaly
168, 170, 201

Monochromacy



Original Color
172, 166, 225

Achromatopsia
175, 175, 175

Achromatomaly
174, 172, 193

CSS Examples

Text

The CSS property to change the color of the text to RYB 172, 166, 225 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(172, 166, 225)` looks like.

```
.text, #text, p{  
    color:rgb(172, 166, 225)  
}
```

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(172, 166, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 166, 225) }
```

Border

The CSS property to change the border of an element to RYB 172, 166, 225 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(172, 166, 225) }
```

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

```
.border{ border-color:rgb(172, 166, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 166, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 166, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 166, 225);  
box-shadow:4px 4px 4px 4px rgb(172, 166,  
225) }
```

Background

The CSS property to change the background color of an element to RYB 172, 166, 225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 166, 225) }
```

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

```
.background{ background-color: rgb(172,  
166, 225) }
```

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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