

Converting Colors

`RYB(170, 41, 128)`

Have a look what the booklet for
RYB(170, 41, 128) contains.

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Color

R_YB(170, 41, 128)

Conversions

Conversions Part 1

Format	Color
Hex	AA2980
RGB	170, 41, 128
RGB Percent	67%, 16%, 50%
CMY	0.3333, 0.8392, 0.4980
CMYK	0.00, 0.76, 0.25, 0.33
HSL	320°, 61%, 41%
HSV	320°, 76%, 67%
XYZ	21.2668, 11.6904, 21.5577
YIQ	89.4890, 48.9570, 54.4050

Conversions

Conversions Part 2

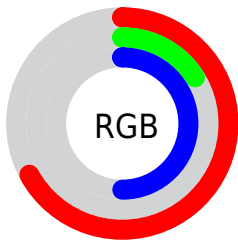
Format	Color
R_{YB}	170, 41, 128
Decimal	11151744
CIE _{Lab}	40.72, 59.06, -18.77
CIE _{LCh}	41, 61.976, 342.366
Yxy	11.6904, 0.3901, 0.2144
Android (android.graphics.Color)	4289341824 (0xFFAA2980)
YUV	89.4890, 18.9859, 70.6081
Hunter-Lab	34.1913, 51.1913, -13.4486

Details

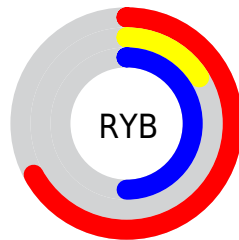
The RYB color **170, 41, 128** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **41, 138, 170**, and the grayscale version is **89, 89, 89**.

A 20% lighter version of the original color is **229, 99, 181**, and **113, 0, 79** is the 20% darker color. If you saturate the color by 10%, you get **170, 24, 122**, and if you desaturate by 10%, it is **170, 58, 134**.

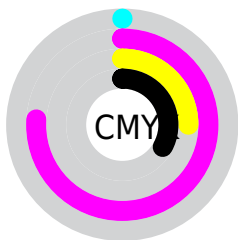
Distribution



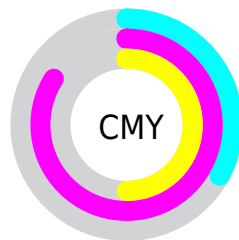
- Red (67%)
- Green (16%)
- Blue (50%)



- Red (67%)
- Yellow (16%)
- Blue (50%)



- Cyan (0%)
- Magenta (76%)
- Yellow (25%)
- Black (33%)



- Cyan (33%)
- Magenta (84%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the RYB color 170, 41, 128 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 170, 41, 128 by changing the saturation by 10% instead.



170, 41, 128



170, 41, 128

255, 255, 255



141, 0, 103



229, 99, 181



113, 0, 79



255, 127, 209



86, 0, 56



255, 155, 237



61, 0, 34



255, 184, 255



32, 0, 8



255, 213, 255



0, 0, 0



255, 242, 255



170, 41, 128



170, 41, 128



170, 24, 122



170, 58, 134

170, 7, 117

170, 75, 139

170, 0, 115

170, 92, 145

170, 109, 150

170, 126, 156

170, 143, 161

170, 160, 167

170, 175, 177

170, 188, 194

Harmonies

Analogous

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



123, 71, 172



170, 41, 128



184, 31, 77

Triad

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



170, 41, 128



0, 100, 2



0, 68, 164

Complementary

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



170, 41, 128



41, 138, 170

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, 60, 118



170, 41, 128



0, 111, 77

Square

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



170, 41, 128



101, 141, 0



0, 75, 116



0, 70, 193

Rectangle

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



170, 41, 128



178, 47, 45



0, 75, 116



0, 66, 149

Sweetspot

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



170, 41, 128



222, 171, 205



82, 41, 170



112, 81, 102



240, 240, 240



112, 112, 112

Same Dimension

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



170, 41, 128



222, 20, 156



170, 41, 65



84, 76, 81



148, 0, 100



20, 0, 14

Inverse Universe

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



170, 41, 128



222, 20, 156



41, 112, 170



84, 76, 81



148, 0, 100



20, 0, 14

Previews

White Background



This preview shows how the RYB color 170, 41, 128 looks on a white 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

Black Background



This preview shows how the RYB color 170, 41, 128 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

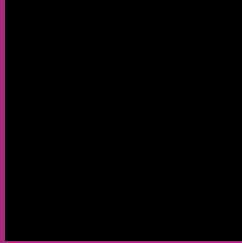
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

RYB 170, 41, 128 Background



This preview shows how black text looks on a background with the RYB color 170, 41, 128.

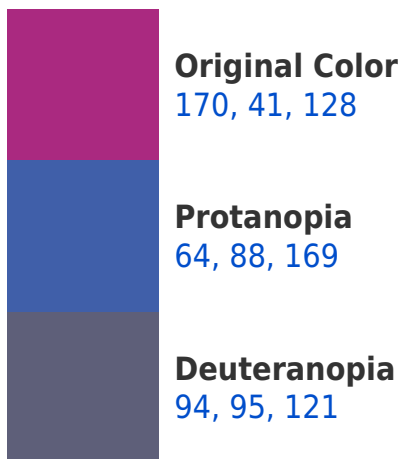


This preview shows how white text looks on a background with the RYB color 170, 41, 128.

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
165, 61, 65

Trichromacy



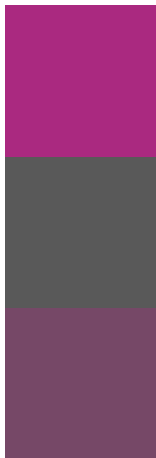
Original Color
170, 41, 128

Protanomaly
103, 75, 154

Deuteranomaly
122, 75, 124

Tritanomaly
167, 54, 88

Monochromacy



Original Color
170, 41, 128

Achromatopsia
89, 89, 89

Achromatomaly
118, 72, 103

CSS Examples

Text

The CSS property to change the color of the text to RYB 170, 41, 128 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(170, 41, 128)` looks like.

```
.text, #text, p{  
    color:rgb(170, 41, 128)  
}
```

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(170, 41, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 41, 128) }
```

Border

The CSS property to change the border of an element to RYB 170, 41, 128 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(170, 41, 128) }
```

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

```
.border{ border-color:rgb(170, 41, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 41, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 41, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 41, 128);  
box-shadow:4px 4px 4px 4px rgb(170, 41,  
128) }
```

Background

The CSS property to change the background color of an element to RGB 170, 41, 128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 41, 128) }
```

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

```
.background{ background-color: rgb(170, 41,  
128) }
```

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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