

Converting Colors

`RYB(172, 69, 114)`

Have a look what the booklet for
RYB(172, 69, 114) contains.

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Color

`RYB(172, 69, 114)`

Conversions

Conversions Part 1

Format	Color
Hex	AC4572
RGB	172, 69, 114
RGB Percent	67%, 27%, 45%
CMY	0.3255, 0.7294, 0.5529
CMYK	0.00, 0.60, 0.34, 0.33
HSL	334°, 43%, 47%
HSV	334°, 60%, 67%
XYZ	22.1786, 14.2418, 17.4996
YIQ	104.9270, 46.9430, 35.8310

Conversions

Conversions Part 2

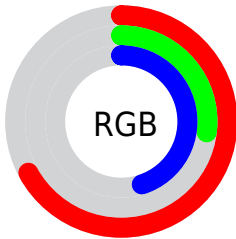
Format	Color
RYB	172, 69, 114
Decimal	11289970
CIELab	44.58, 46.71, -4.29
CIELCh	45, 46.910, 354.747
Yxy	14.2418, 0.4113, 0.2641
Android (android.graphics.Color)	4289480050 (0xFFAC4572)
YUV	104.9270, 4.4730, 58.8230
Hunter-Lab	37.7383, 38.8616, -1.0765

Details

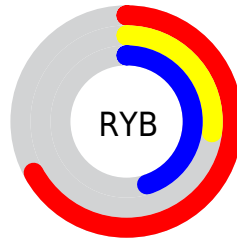
The RYB color **172, 69, 114** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **69, 135, 172**, and the grayscale version is **105, 105, 105**.

A 20% lighter version of the original color is **230, 122, 166**, and **116, 8, 66** is the 20% darker color. If you saturate the color by 10%, you get **172, 52, 104**, and if you desaturate by 10%, it is **172, 86, 124**.

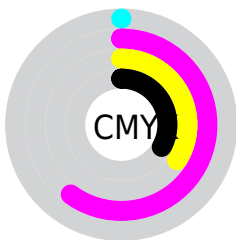
Distribution



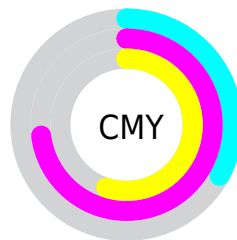
- Red (67%)
- Green (27%)
- Blue (45%)



- Red (67%)
- Yellow (27%)
- Blue (45%)



- Cyan (0%)
- Magenta (60%)
- Yellow (34%)
- Black (33%)



- Cyan (33%)
- Magenta (73%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the RYB color 172, 69, 114 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, 69, 114 by changing the saturation by 10% instead.

 172, 69, 114  172, 69, 114

255, 255, 255  144, 42, 90

 230, 122, 166  116, 8, 66

 255, 149, 193  89, 0, 44


 255, 177, 221  63, 0, 24

 255, 205, 249  37, 0, 1

 255, 234, 255  0, 0, 0

 172, 69, 114  172, 69, 114

 172, 52, 104  172, 86, 124

 172, 35, 95  172, 103, 133

■ 172, 17, 85

■ 172, 121, 143

■ 172, 0, 75

■ 172, 138, 153

■ 172, 155, 162

■ 172, 172, 172

■ 172, 183, 189

■ 172, 195, 207

■ 172, 205, 224

Harmonies

Analogous

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



146, 81, 151



172, 69, 114



175, 72, 75

Triad

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



172, 69, 114



27, 113, 46



0, 70, 169

Complementary

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



172, 69, 114



69, 135, 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.



0, 65, 137



172, 69, 114



41, 106, 120

Square

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



172, 69, 114



60, 131, 19



0, 70, 124



0, 69, 183

Rectangle

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



172, 69, 114



167, 89, 52



0, 70, 124



0, 69, 160

Sweetspot

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



172, 69, 114



224, 184, 202



126, 69, 172



112, 88, 98



240, 240, 240



112, 112, 112

Same Dimension

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



172, 69, 114



224, 63, 133



172, 74, 69



87, 78, 82



150, 0, 66



23, 0, 10

Inverse Universe

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



172, 69, 114



224, 63, 133



69, 119, 172



87, 78, 82



150, 0, 66



23, 0, 10

Previews

White Background



This preview shows how the RYB color 172, 69, 114 looks on a white background.

Color Contrast Check

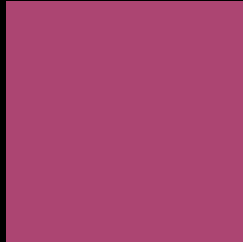
Large Text (above 18pt) WCAG AA ✓ Pass

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 172, 69, 114 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 172, 69, 114 Background



This preview shows how black text looks on a background with the RYB color 172, 69, 114.



This preview shows how white text looks on a background with the RYB color 172, 69, 114.

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, 69, 114

Protanopia
98, 104, 137

Deuteranopia
115, 103, 109



Tritanopia
169, 76, 81

Trichromacy



Original Color

172, 69, 114

Protanomaly

125, 92, 129

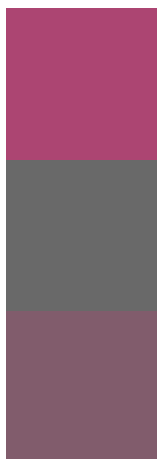
Deuteranomaly

136, 91, 111

Tritanomaly

170, 73, 93

Monochromacy



Original Color

172, 69, 114

Achromatopsia

105, 105, 105

Achromatomaly

129, 92, 108

CSS Examples

Text

The CSS property to change the color of the text to RYB 172, 69, 114 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, 69, 114)` looks like.

```
.text, #text, p{  
    color:rgb(172, 69, 114)  
}
```

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, 69, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 69, 114) }
```

Border

The CSS property to change the border of an element to RYB 172, 69, 114 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, 69, 114) }
```

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

```
.border{ border-color:rgb(172, 69, 114) }
```

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

Here you see how a box with a 4 pixel rgb(172, 69, 114) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 69, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 69, 114);  
box-shadow:4px 4px 4px 4px rgb(172, 69,  
114) }
```

Background

The CSS property to change the background color of an element to RGB 172, 69, 114 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 69, 114) }
```

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

```
.background{ background-color: rgb(172, 69,  
114) }
```

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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