

Converting Colors

`RYB(168, 72, 104)`

Have a look what the booklet for
RYB(168, 72, 104) contains.

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Color

$\text{RYB}(168, 72, 104)$

Conversions

Conversions Part 1

Format	Color
Hex	A84868
RGB	168, 72, 104
RGB Percent	66%, 28%, 41%
CMY	0.3412, 0.7176, 0.5922
CMYK	0.00, 0.57, 0.38, 0.34
HSL	340°, 40%, 47%
HSV	340°, 57%, 66%
XYZ	20.9645, 13.9590, 14.6861
YIQ	104.3520, 46.9440, 30.3040

Conversions

Conversions Part 2

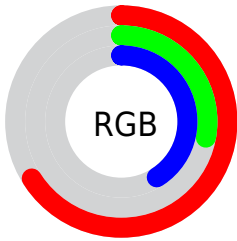
Format	Color
RYB	168, 72, 104
Decimal	11028584
CIELab	44.17, 42.73, 1.18
CIElCh	44, 42.746, 1.582
Yxy	13.9590, 0.4226, 0.2814
Android (android.graphics.Color)	4289218664 (0xFFA84868)
YUV	104.3520, -0.1735, 55.8193
Hunter-Lab	37.3618, 34.7770, 2.8476

Details

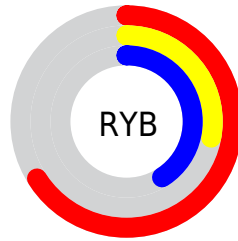
The RYB color **168, 72, 104** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **72, 130, 168**, and the grayscale version is **104, 104, 104**.

A 20% lighter version of the original color is **226, 124, 155**, and **112, 17, 57** is the 20% darker color. If you saturate the color by 10%, you get **168, 55, 93**, and if you desaturate by 10%, it is **168, 89, 115**.

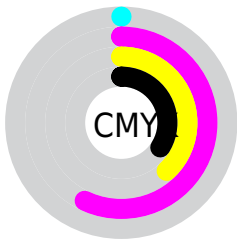
Distribution



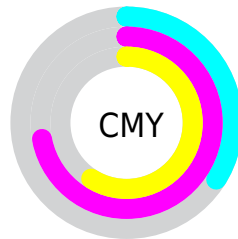
- Red (66%)
- Green (28%)
- Blue (41%)



- Red (66%)
- Yellow (28%)
- Blue (41%)



- Cyan (0%)
- Magenta (57%)
- Yellow (38%)
- Black (34%)




- Cyan (34%)
- Magenta (72%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the RYB color 168, 72, 104 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 168, 72, 104 by changing the saturation by 10% instead.

 168, 72, 104  168, 72, 104

255, 255, 255  140, 46, 80

 226, 124, 155  112, 17, 57


 255, 151, 182  85, 0, 36

 255, 179, 209  60, 0, 14

 255, 207, 238  31, 0, 1

 255, 236, 255  0, 0, 0

 168, 72, 104  168, 72, 104


 168, 55, 93  168, 89, 115

 168, 38, 82  168, 106, 126


 168, 22, 70

 168, 122, 138

 168, 5, 59


 168, 139, 149

 168, 0, 56

 168, 156, 160

 168, 171, 173

 168, 181, 190

 168, 191, 206

 168, 201, 223

Harmonies

Analogous

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



149, 80, 139



168, 72, 104



167, 78, 69

Triad

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



168, 72, 104



40, 113, 67



0, 69, 166

Complementary

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



168, 72, 104



72, 130, 168

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, 141



168, 72, 104



33, 94, 119

Square

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



168, 72, 104



52, 122, 28



0, 66, 122



22, 77, 175

Rectangle

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



168, 72, 104



157, 102, 50



0, 66, 122



0, 68, 159

Sweetspot

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



168, 72, 104



219, 182, 194



136, 72, 168



110, 88, 95



237, 237, 237



110, 110, 110

Same Dimension

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



168, 72, 104



219, 68, 118



168, 91, 72



84, 76, 79



148, 0, 49



20, 0, 7

Inverse Universe

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



168, 72, 104



219, 68, 118



72, 116, 168



84, 76, 79



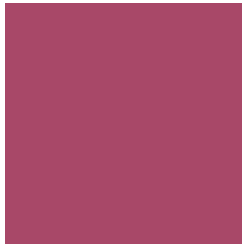
148, 0, 49



20, 0, 7

Previews

White Background



This preview shows how the RYB color 168, 72, 104 looks on a white background.

Color Contrast Check

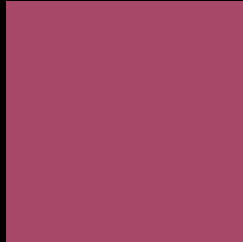
Large Text (above 18pt) WCAG AA ✓ Pass

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 168, 72, 104 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](#).

R Y B 168, 72, 104 Background



This preview shows how black text looks on a background with the R Y B color 168, 72, 104.

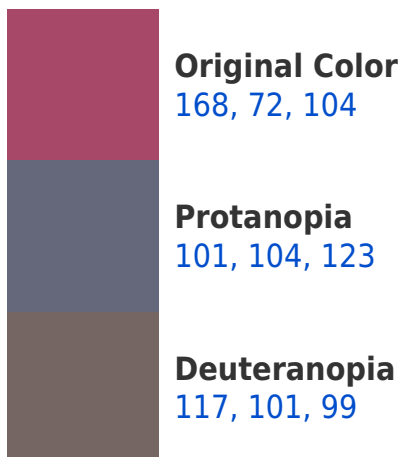


This preview shows how white text looks on a background with the R Y B color 168, 72, 104.

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
166, 76, 82

Trichromacy



Original Color

168, 72, 104

Protanomaly

125, 92, 116

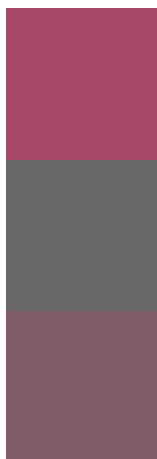
Deuteranomaly

136, 90, 101

Tritanomaly

167, 75, 90

Monochromacy



Original Color

168, 72, 104

Achromatopsia

104, 104, 104

Achromatomaly

127, 92, 104

CSS Examples

Text

The CSS property to change the color of the text to RYB 168, 72, 104 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(168, 72, 104) looks like.

```
.text, #text, p{  
    color:rgb(168, 72, 104)  
}
```

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(168, 72, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 72, 104) }
```

Border

The CSS property to change the border of an element to RYB 168, 72, 104 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(168, 72, 104) }
```

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

```
.border{ border-color:rgb(168, 72, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 72, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 72, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 72, 104);  
box-shadow:4px 4px 4px 4px rgb(168, 72,  
104) }
```

Background

The CSS property to change the background color of an element to RGB 168, 72, 104 is called "background".

The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 72, 104) }
```

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

```
.background{ background-color: rgb(168, 72,  
104) }
```

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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