

Converting Colors

`RYB(72, 186, 218)`

Have a look what the booklet for
RYB(72, 186, 218) contains.

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Color

$\text{RYB}(72, 186, 218)$

Conversions

Conversions Part 1

Format	Color
Hex	48DA71
RGB	72, 218, 113
RGB Percent	28%, 85%, 44%
CMY	0.7176, 0.1451, 0.5569
CMYK	0.67, 0.00, 0.48, 0.15
HSL	137°, 66%, 57%
HSV	137°, 67%, 85%
XYZ	30.7235, 52.7124, 24.1728
YIQ	162.3760, -53.3110, -63.6070

Conversions

Conversions Part 2

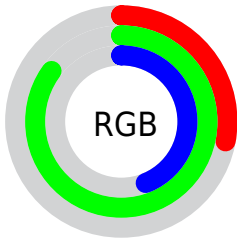
Format	Color
RYB	72, 186, 218
Decimal	4774513
CIELab	77.70, -60.75, 40.46
CIELCh	78, 72.991, 146.339
Yxy	52.7124, 0.2855, 0.4899
Android (android.graphics.Color)	4282964593 (0xFF48DA71)
YUV	162.3760, -24.3424, -79.2598
Hunter-Lab	72.6033, -51.5199, 31.0821

Details

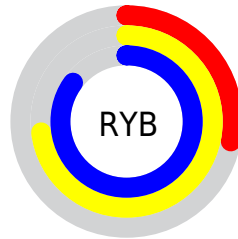
The RYB color **72, 186, 218** is a dark color, and the websafe version is hex **33CC66**. The color can be described as middle muted spring green. A complement of this color would be **218, 72, 177**, and the grayscale version is **163, 163, 163**.

A 20% lighter version of the original color is **136, 231, 255**, and **0, 117, 162** is the 20% darker color. If you saturate the color by 10%, you get **50, 181, 218**, and if you desaturate by 10%, it is **94, 191, 218**.

Distribution



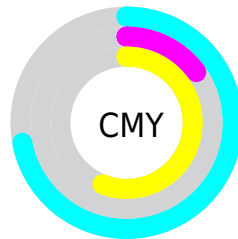
- Red (28%)
- Green (85%)
- Blue (44%)



- Red (28%)
- Yellow (73%)
- Blue (85%)



- Cyan (67%)
- Magenta (0%)
- Yellow (48%)
- Black (15%)




- Cyan (72%)
- Magenta (15%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the RYB color 72, 186, 218 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 72, 186, 218 by changing the saturation by 10% instead.

 72, 186, 218


255, 255, 255


 136, 231, 255


 167, 234, 255

 197, 238, 255

 227, 242, 255


 72, 186, 218

 29, 147, 190

 0, 117, 162

 0, 106, 135


 0, 101, 108


 0, 82, 82

 0, 58, 58

 0, 34, 34

 0, 0, 0

 72, 186, 218

 72, 186, 218

■ 50, 181, 218

■ 94, 191, 218

■ 28, 176, 218

■ 116, 196, 218

■ 7, 172, 218

■ 137, 200, 218

■ 0, 170, 218

■ 159, 205, 218

■ 181, 210, 218

■ 203, 215, 218

■ 225, 218, 223

■ 246, 218, 238

■ 255, 218, 254

Harmonies

Analogous

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



58, 206, 96



72, 186, 218



0, 124, 224

Triad

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



72, 186, 218



0, 113, 255



255, 134, 136

Complementary

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



72, 186, 218



218, 72, 177

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.



255, 128, 203



72, 186, 218



178, 178, 255

Square

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



72, 186, 218



0, 117, 255



255, 148, 255



255, 227, 78

Rectangle

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



72, 186, 218



0, 113, 228



255, 148, 255



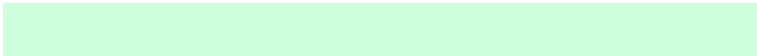
255, 129, 158

Sweetspot

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



72, 186, 218



204, 244, 255



72, 218, 111



97, 122, 128



0, 0, 0



128, 128, 128

Same Dimension

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



72, 186, 218



51, 210, 255



72, 155, 218



99, 108, 110



0, 135, 173



0, 36, 46

Inverse Universe

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



218, 72, 177



255, 51, 198



218, 72, 106



110, 99, 107



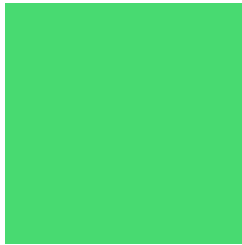
173, 0, 125



46, 0, 33

Previews

White Background



This preview shows how the RYB color 72, 186, 218 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 72, 186, 218 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](#).

R Y B 72, 186, 218 Background



This preview shows how black text looks on a background with the RYB color 72, 186, 218.

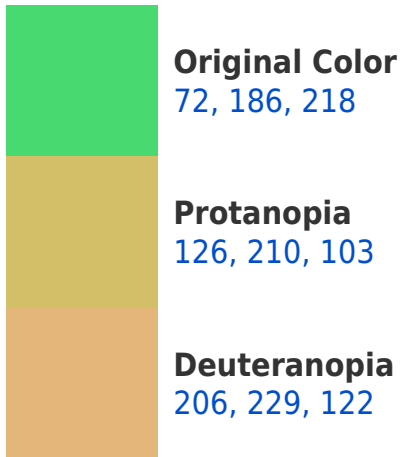


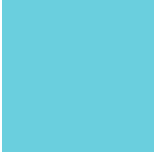
This preview shows how white text looks on a background with the RYB color 72, 186, 218.

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





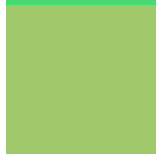
Tritanopia
106, 160, 222

Trichromacy



Original Color

72, 186, 218



Protanomaly

107, 201, 148



Deuteranomaly

119, 195, 142



Tritanomaly

94, 160, 210

Monochromacy



Original Color

72, 186, 218



Achromatopsia

162, 162, 162



Achromatomaly

129, 170, 182

CSS Examples

Text

The CSS property to change the color of the text to RYB 72, 186, 218 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(72, 218, 113)` looks like.

```
.text, #text, p{  
    color:rgb(72, 218, 113)  
}
```

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(72, 218, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 218, 113) }
```

Border

The CSS property to change the border of an element to RYB 72, 186, 218 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(72, 218, 113) }
```

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

```
.border{ border-color:rgb(72, 218, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 218, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 218, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 218, 113);  
box-shadow:4px 4px 4px 4px rgb(72, 218,  
113) }
```

Background

The CSS property to change the background color of an element to RGB 72, 186, 218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 218, 113) }
```

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

```
.background{ background-color: rgb(72, 218,  
113) }
```

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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