

Converting Colors

`RYB(72, 175, 230)`

Have a look what the booklet for
RYB(72, 175, 230) contains.

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Color

`RYB(72, 175, 230)`

Conversions

Conversions Part 1

Format	Color
Hex	48E69C
RGB	72, 230, 156
RGB Percent	28%, 90%, 61%
CMY	0.7176, 0.0980, 0.3868
CMYK	0.69, 0.00, 0.32, 0.10
HSL	152°, 76%, 59%
HSV	152°, 69%, 90%
XYZ	37.0013, 60.3842, 41.3217
YIQ	174.3220, -70.4140, -56.5100

Conversions

Conversions Part 2

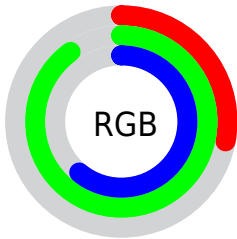
Format	Color
RYB	72, 175, 230
Decimal	4777628
CIELab	82.05, -57.53, 24.25
CIELCh	82, 62.428, 157.146
Yxy	60.3842, 0.2668, 0.4353
Android (android.graphics.Color)	4282967708 (0xFF48E69C)
YUV	174.3220, -9.0327, -89.7364
Hunter-Lab	77.7072, -50.9925, 22.8670

Details

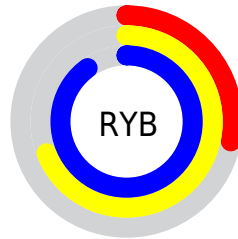
The RYB color **72, 175, 230** is a light color, and the websafe version is hex **00CC99**. The color can be described as light muted spring green. A complement of this color would be **230, 72, 146**, and the grayscale version is **175, 175, 175**.

A 20% lighter version of the original color is **138, 210, 255**, and **0, 108, 173** is the 20% darker color. If you saturate the color by 10%, you get **49, 167, 230**, and if you desaturate by 10%, it is **95, 183, 230**.

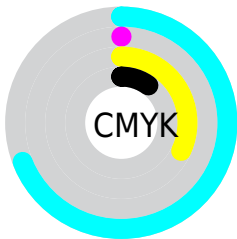
Distribution



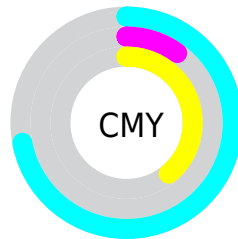
- Red (28%)
- Green (90%)
- Blue (61%)



- Red (28%)
- Yellow (69%)
- Blue (90%)



- Cyan (69%)
- Magenta (0%)
- Yellow (32%)
- Black (10%)




















- Cyan (72%)
- Magenta (10%)
- Yellow (39%)


Brightness & Saturation Gradients


These gradients show how the RYB color 72, 175, 230 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, 175, 230 by changing the saturation by 10% instead.


 72, 175, 230	 72, 175, 230
 255, 255, 255	 25, 135, 201
 138, 210, 255	 0, 108, 173
 169, 216, 255	 0, 94, 146
 199, 227, 255	 0, 81, 119
 230, 243, 255	 0, 68, 93
	 0, 59, 68
	 0, 45, 45
	 0, 14, 14
	 0, 0, 0


 72, 175, 230

 72, 175, 230


 49, 167, 230

 95, 183, 230

 26, 159, 230

 118, 191, 230

 3, 151, 230

 141, 199, 230

 0, 150, 230

 164, 207, 230

 187, 215, 230

 210, 223, 230

 233, 230, 231

 255, 230, 242

 255, 230, 253

Harmonies

Analogous

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



106, 221, 165



72, 175, 230



0, 121, 233

Triad

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



72, 175, 230



123, 174, 255



255, 173, 136

Complementary

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



72, 175, 230



230, 72, 146

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, 153, 192



72, 175, 230



226, 183, 255

Square

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



72, 175, 230



0, 119, 255



255, 161, 251



219, 255, 95

Rectangle

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



72, 175, 230



0, 122, 255



255, 161, 251



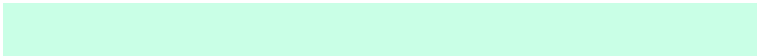
255, 158, 154

Sweetspot

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



72, 175, 230



201, 236, 255



72, 230, 156



96, 117, 128



0, 0, 0



128, 128, 128

Same Dimension

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



72, 175, 230



46, 182, 255



72, 150, 230



103, 111, 115



0, 117, 179



0, 33, 51

Inverse Universe

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



230, 72, 146



255, 46, 143



230, 77, 72



115, 103, 109



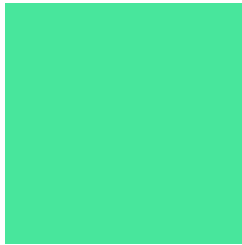
179, 0, 83



51, 0, 24

Previews

White Background



This preview shows how the RYB color 72, 175, 230 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, 175, 230 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

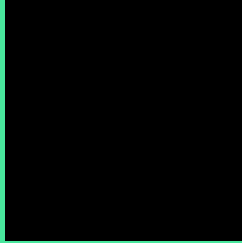
Any Text WCAG AA ✓ Pass

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, 175, 230 Background



This preview shows how black text looks on a background with the R Y B color 72, 175, 230.

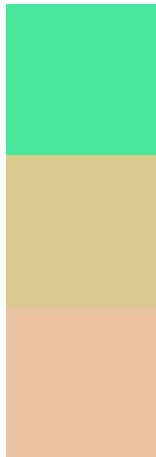


This preview shows how white text looks on a background with the R Y B color 72, 175, 230.

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](#).

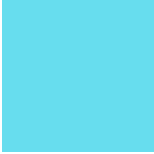
Dichromacy



Original Color
72, 175, 230

Protanopia
164, 218, 144

Deuteranopia
235, 216, 164



Tritanopia
103, 166, 238

Trichromacy



Original Color

72, 175, 230



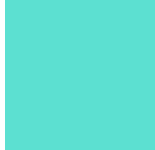
Protanomaly

148, 212, 195



Deuteranomaly

161, 207, 192



Tritanomaly

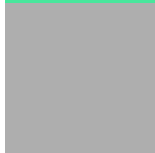
92, 162, 224

Monochromacy



Original Color

72, 175, 230



Achromatopsia

174, 174, 174



Achromatomaly

137, 174, 194

CSS Examples

Text

The CSS property to change the color of the text to RYB 72, 175, 230 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, 230, 156)` looks like.

```
.text, #text, p{  
    color:rgb(72, 230, 156)  
}
```

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, 230, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 230, 156) }
```

Border

The CSS property to change the border of an element to RYB 72, 175, 230 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, 230, 156) }
```

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

```
.border{ border-color:rgb(72, 230, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 230, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 230, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 230, 156);  
box-shadow:4px 4px 4px 4px rgb(72, 230,  
156) }
```

Background

The CSS property to change the background color of an element to RGB 72, 175, 230 is called "background".

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

```
.background, #background, body{  
background: rgb(72, 230, 156) }
```

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

```
.background{ background-color: rgb(72, 230,  
156) }
```

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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