

Converting Colors

`RYB(72, 141, 210)`

Have a look what the booklet for
RYB(72, 141, 210) contains.

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Color

RYB(72, 141, 210)

Conversions

Conversions Part 1

Format	Color
Hex	48D2D2
RGB	72, 210, 210
RGB Percent	28%, 82%, 82%
CMY	0.7176, 0.1765, 0.1765
CMYK	0.66, 0.00, 0.00, 0.18
HSL	180°, 61%, 55%
HSV	180°, 66%, 82%
XYZ	37.3519, 52.1240, 69.0651
YIQ	168.7380, -82.2480, -29.2560

Conversions

Conversions Part 2

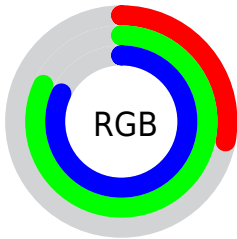
Format	Color
RYB	72, 141, 210
Decimal	4772562
CIELab	77.35, -36.16, -10.89
CIELCh	77, 37.759, 196.755
Yxy	52.1240, 0.2356, 0.3288
Android (android.graphics.Color)	4282962642 (0xFF48D2D2)
YUV	168.7380, 20.3422, -84.8392
Hunter-Lab	72.1970, -33.9957, -6.1801

Details

The RYB color **72, 141, 210** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **210, 72, 72**, and the grayscale version is **169, 169, 169**.

A 20% lighter version of the original color is **137, 196, 255**, and **0, 78, 156** is the 20% darker color. If you saturate the color by 10%, you get **51, 131, 210**, and if you desaturate by 10%, it is **93, 152, 210**.

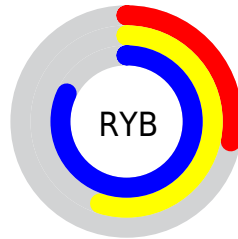
Distribution



Red (28%)

Green (82%)

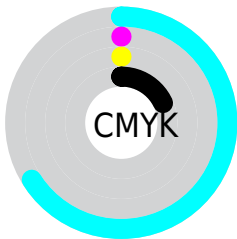
Blue (82%)



Red (28%)

Yellow (55%)

Blue (82%)

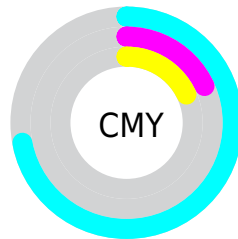


Cyan (66%)

Magenta (0%)

Yellow (0%)

Black (18%)



Cyan (72%)

















Magenta (18%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the RYB color 72, 141, 210 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, 141, 210 by changing the saturation by 10% instead.

 72, 141, 210	 72, 141, 210
 255, 255, 255	 26, 104, 182
 137, 196, 255	 0, 78, 156
 168, 212, 255	 0, 64, 130
 198, 227, 255	 0, 52, 105
 229, 242, 255	 0, 39, 80
	 0, 28, 58
	 0, 17, 36
	 0, 1, 15
	 0, 0, 0

■ 72, 141, 210

■ 72, 141, 210

■ 51, 131, 210

■ 93, 152, 210

■ 30, 120, 210

■ 114, 162, 210

■ 9, 110, 210

■ 135, 173, 210

■ 0, 105, 210

■ 156, 183, 210

■ 177, 194, 210

■ 198, 204, 210

■ 219, 210, 210

■ 240, 210, 210

■ 255, 210, 210

Harmonies

Analogous

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



112, 171, 209



72, 141, 210



69, 146, 241

Triad

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



72, 141, 210



220, 175, 239



201, 229, 123

Complementary

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



72, 141, 210



210, 72, 72

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.



252, 183, 142



72, 141, 210



250, 166, 208

Square

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



72, 141, 210



173, 186, 255



255, 165, 173



123, 195, 123

Rectangle

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



72, 141, 210



99, 161, 255



255, 165, 173



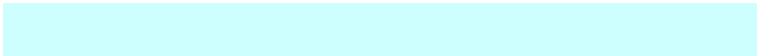
238, 228, 127

Sweetspot

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



72, 141, 210



204, 230, 255



72, 210, 210



97, 113, 128



0, 0, 0



128, 128, 128

Same Dimension

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



72, 141, 210



54, 155, 255



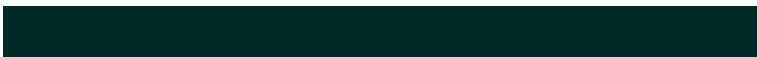
72, 118, 210



94, 100, 105



0, 84, 168



0, 21, 41

Inverse Universe

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



210, 72, 210



255, 54, 255



210, 210, 72



105, 94, 105



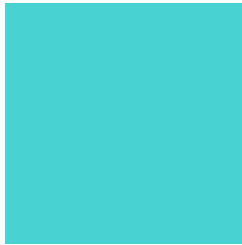
168, 0, 168



41, 0, 41

Previews

White Background



This preview shows how the RYB color 72, 141, 210 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, 141, 210 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

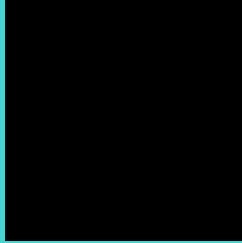
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

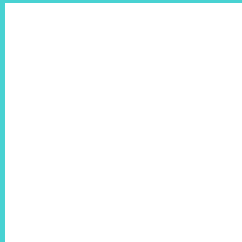
Any Text WCAG AAA ✓ Pass

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

RYB 72, 141, 210 Background



This preview shows how black text looks on a background with the RYB color 72, 141, 210.

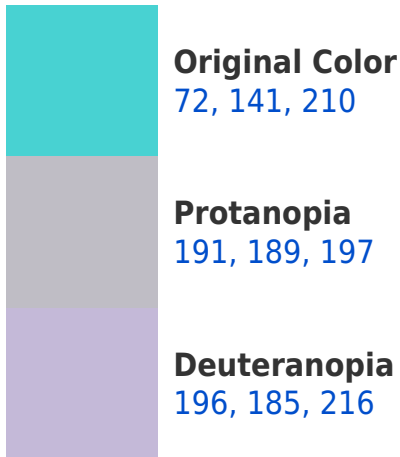


This preview shows how white text looks on a background with the RYB color 72, 141, 210.

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
80, 148, 225

Trichromacy



Original Color

72, 141, 210



Protanomaly

148, 174, 202



Deuteranomaly

151, 177, 214



Tritanomaly

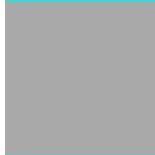
77, 146, 220

Monochromacy



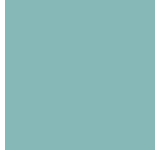
Original Color

72, 141, 210



Achromatopsia

169, 169, 169



Achromatomaly

134, 159, 184

CSS Examples

Text

The CSS property to change the color of the text to RYB 72, 141, 210 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, 210, 210)` looks like.

```
.text, #text, p{  
    color:rgb(72, 210, 210)  
}
```

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, 210, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 210, 210) }
```

Border

The CSS property to change the border of an element to RYB 72, 141, 210 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, 210, 210) }
```

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

```
.border{ border-color:rgb(72, 210, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 210, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 210, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 210, 210);  
box-shadow:4px 4px 4px 4px rgb(72, 210,  
210) }
```

Background

The CSS property to change the background color of an element to RGB 72, 141, 210 is called "background".

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

```
.background, #background, body{  
background: rgb(72, 210, 210) }
```

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

```
.background{ background-color: rgb(72, 210,  
210) }
```

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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