

Converting Colors

`RYB(45, 128, 224)`

Have a look what the booklet for
RYB(45, 128, 224) contains.

RYB(45, 128, 224)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

`RYB(45, 128, 224)`

Conversions

Conversions Part 1

Format	Color
Hex	2DC8E0
RGB	45, 200, 224
RGB Percent	18%, 78%, 88%
CMY	0.8235, 0.2166, 0.1216
CMYK	0.80, 0.11, 0.00, 0.12
HSL	188°, 74%, 53%
HSV	188°, 80%, 88%
XYZ	35.1356, 47.1374, 77.7676
YIQ	156.3910, -100.0840, -25.3960

Conversions

Conversions Part 2

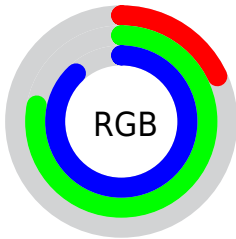
Format	Color
RYB	45, 128, 224
Decimal	3000544
CIELab	74.28, -30.28, -23.13
CIELCh	74, 38.103, 217.367
Yxy	47.1374, 0.2195, 0.2945
Android (android.graphics.Color)	4281190624 (0xFF2DC8E0)
YUV	156.3910, 33.3312, -97.6899
Hunter-Lab	68.6567, -28.8004, -19.0983

Details

The RYB color **45, 128, 224** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **224, 73, 45**, and the grayscale version is **156, 156, 156**.

A 20% lighter version of the original color is **122, 189, 255**, and **0, 78, 169** is the 20% darker color. If you saturate the color by 10%, you get **23, 116, 224**, and if you desaturate by 10%, it is **67, 140, 224**.

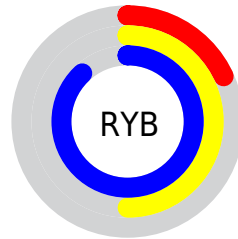
Distribution



Red (18%)

Green (78%)

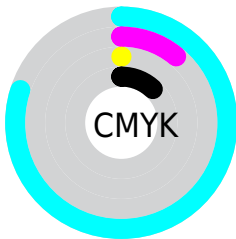
Blue (88%)



Red (18%)

Yellow (50%)

Blue (88%)

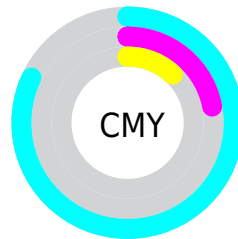


Cyan (80%)

Magenta (11%)

Yellow (0%)

Black (12%)



Cyan (82%)


















Magenta (22%)

Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the RYB color 45, 128, 224 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 45, 128, 224 by changing the saturation by 10% instead.

 45, 128, 224	 45, 128, 224
 255, 255, 255	 0, 92, 196
 122, 189, 255	 0, 78, 169
 154, 205, 255	 0, 65, 142
 185, 220, 255	 0, 52, 117
 216, 236, 255	 0, 40, 92
 247, 251, 255	 0, 28, 68
	 0, 16, 46
	 0, 1, 25
	 0, 0, 0

■ 45, 128, 224

■ 45, 128, 224

■ 23, 116, 224

■ 67, 140, 224

■ 0, 104, 224

■ 90, 152, 224

■ 112, 164, 224

■ 135, 176, 224

■ 157, 188, 224

■ 179, 200, 224

■ 202, 212, 224

■ 224, 224, 224

■ 247, 227, 224

Harmonies

Analogous

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



71, 140, 202



45, 128, 224



88, 151, 246

Triad

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



45, 128, 224



234, 160, 210



130, 198, 112

Complementary

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



45, 128, 224



224, 73, 45

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.



228, 218, 119



45, 128, 224



250, 156, 175

Square

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



45, 128, 224



198, 170, 238



248, 164, 142



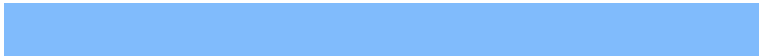
126, 193, 159

Rectangle

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



45, 128, 224



128, 168, 252



248, 164, 142



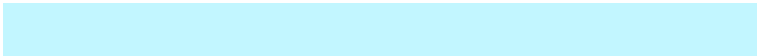
155, 209, 112

Sweetspot

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



45, 128, 224



194, 222, 255



45, 203, 224



91, 108, 128



0, 0, 0



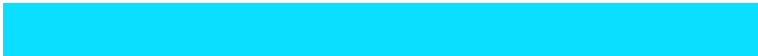
128, 128, 128

Same Dimension

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



45, 128, 224



10, 124, 255



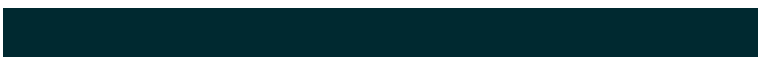
45, 93, 224



101, 106, 112



0, 82, 176



0, 22, 48

Inverse Universe

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



224, 45, 200



255, 10, 222



150, 224, 45



112, 101, 111



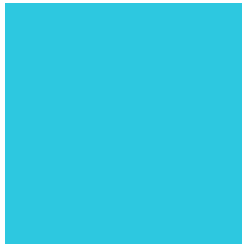
176, 0, 152



48, 0, 42

Previews

White Background



This preview shows how the RYB color 45, 128, 224 looks on a white background.

Color Contrast Check

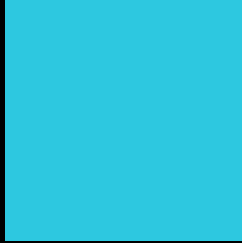
Large Text (above 18pt) WCAG AA × Fail

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 45, 128, 224 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

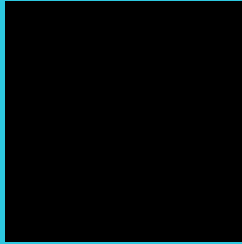
Any Text WCAG AA ✓ Pass

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](#).

RGB 45, 128, 224 Background



This preview shows how black text looks on a background with the RGB color 45, 128, 224.



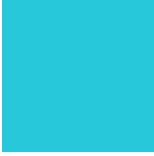
This preview shows how white text looks on a background with the RGB color 45, 128, 224.

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
38, 123, 217

Trichromacy



Original Color

45, 128, 224



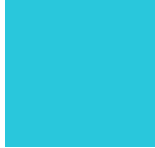
Protanomaly

128, 163, 215



Deuteranomaly

127, 164, 227



Tritanomaly

41, 125, 220

Monochromacy



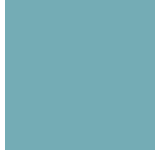
Original Color

45, 128, 224



Achromatopsia

156, 156, 156



Achromatomaly

116, 146, 181

CSS Examples

Text

The CSS property to change the color of the text to RYB 45, 128, 224 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(45, 200, 224)` looks like.

```
.text, #text, p{  
    color:rgb(45, 200, 224)  
}
```

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(45, 200, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 200, 224) }
```

Border

The CSS property to change the border of an element to RYB 45, 128, 224 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(45, 200, 224) }
```

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

```
.border{ border-color:rgb(45, 200, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 200, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 200, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 200, 224);  
box-shadow:4px 4px 4px 4px rgb(45, 200,  
224) }
```

Background

The CSS property to change the background color of an element to RYB 45, 128, 224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 200, 224) }
```

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

```
.background{ background-color: rgb(45, 200,  
224) }
```

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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