

Converting Colors

`RYB(78, 145, 216)`

Have a look what the booklet for
RYB(78, 145, 216) contains.

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Color

$\text{RYB}(78, 145, 216)$

Conversions

Conversions Part 1

Format	Color
Hex	4ED0D8
RGB	78, 208, 216
RGB Percent	31%, 82%, 85%
CMY	0.6941, 0.1834, 0.1529
CMYK	0.64, 0.04, 0.00, 0.15
HSL	183°, 64%, 58%
HSV	183°, 64%, 85%
XYZ	38.1474, 51.7993, 72.9534
YIQ	170.0420, -80.0480, -25.0720

Conversions

Conversions Part 2

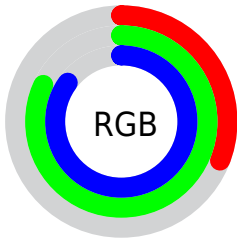
Format	Color
RYB	78, 145, 216
Decimal	5165272
CIELab	77.16, -32.74, -14.39
CIELCh	77, 35.758, 203.724
Yxy	51.7993, 0.2342, 0.3180
Android (android.graphics.Color)	4283355352 (0xFF4ED0D8)
YUV	170.0420, 22.6573, -80.7208
Hunter-Lab	71.9717, -31.3396, -9.7185




Details

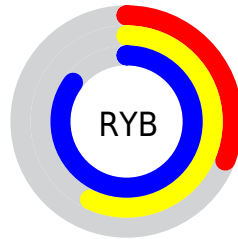
The RYB color **78, 145, 216** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **216, 86, 78**, and the grayscale version is **170, 170, 170**.




A 20% lighter version of the original color is **142, 199, 255**, and **0, 78, 161** is the 20% darker color. If you saturate the color by 10%, you get **56, 134, 216**, and if you desaturate by 10%, it is **100, 156, 216**.

Distribution







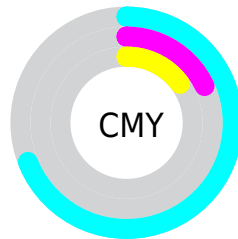
-  Red (31%)
-  Green (82%)
-  Blue (85%)






-  Red (31%)
-  Yellow (57%)
-  Blue (85%)



-  Cyan (64%)
-  Magenta (4%)
-  Yellow (0%)
-  Black (15%)



















-  Cyan (69%)
-  Magenta (18%)
-  Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the RYB color 78, 145, 216 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 78, 145, 216 by changing the saturation by 10% instead.

 78, 145, 216	 78, 145, 216
 255, 255, 255	 37, 110, 188
 142, 199, 255	 0, 78, 161
 172, 214, 255	 0, 65, 135
 203, 229, 255	 0, 53, 110
 233, 244, 255	 0, 40, 85
	 0, 29, 62
	 0, 18, 40
	 0, 1, 20
	 0, 0, 0

■ 78, 145, 216

■ 78, 145, 216

■ 56, 134, 216

■ 100, 156, 216

■ 35, 123, 216

■ 121, 167, 216

■ 13, 112, 216

■ 143, 178, 216

■ 0, 105, 216

■ 164, 189, 216

■ 186, 200, 216

■ 208, 212, 216

■ 229, 217, 216

■ 251, 218, 216

■ 255, 219, 216

Harmonies

Analogous

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



108, 165, 208



78, 145, 216



88, 154, 243

Triad

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



78, 145, 216



226, 173, 230



178, 220, 125

Complementary

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



78, 145, 216



216, 86, 78

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.



245, 195, 138



78, 145, 216



250, 166, 199

Square

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



78, 145, 216



185, 185, 251



255, 167, 166



129, 197, 140

Rectangle

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



78, 145, 216



118, 169, 253



255, 167, 166



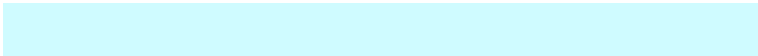
214, 229, 127

Sweetspot

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



78, 145, 216



207, 230, 255



78, 209, 216



98, 112, 128



0, 0, 0



128, 128, 128

Same Dimension

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



78, 145, 216



59, 154, 255



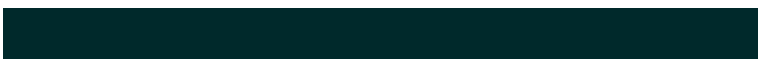
78, 121, 216



96, 101, 107



0, 83, 171



0, 21, 43

Inverse Universe

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



216, 78, 208



255, 59, 244



191, 216, 78



107, 96, 106



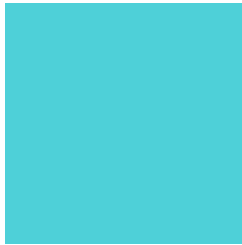
171, 0, 161



43, 0, 41

Previews

White Background



This preview shows how the RYB color 78, 145, 216 looks on a white background.

Color Contrast Check

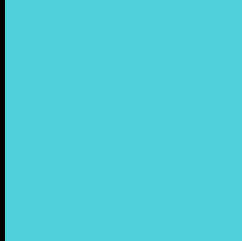
Large Text (above 18pt) WCAG AA × Fail

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 78, 145, 216 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

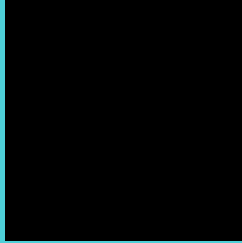
Any Text WCAG AA ✓ Pass

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 78, 145, 216 Background



This preview shows how black text looks on a background with the R Y B color 78, 145, 216.

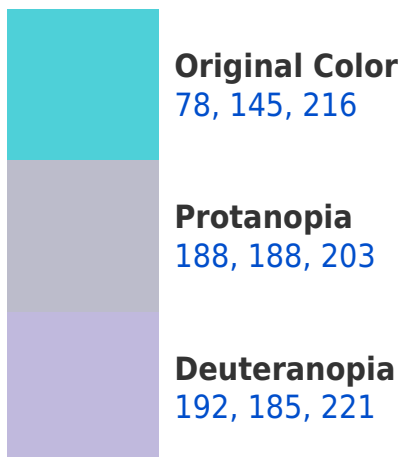


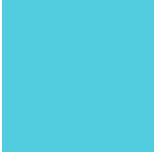
This preview shows how white text looks on a background with the R Y B color 78, 145, 216.

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
82, 148, 224

Trichromacy



Original Color

78, 145, 216



Protanomaly

148, 174, 208



Deuteranomaly

151, 177, 219



Tritanomaly

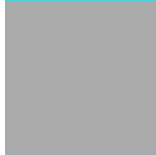
81, 147, 221

Monochromacy



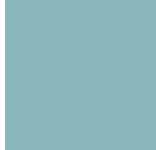
Original Color

78, 145, 216



Achromatopsia

170, 170, 170



Achromatomaly

137, 161, 187

CSS Examples

Text

The CSS property to change the color of the text to RYB 78, 145, 216 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(78, 208, 216)` looks like.

```
.text, #text, p{  
    color:rgb(78, 208, 216)  
}
```

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(78, 208, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 208, 216) }
```

Border

The CSS property to change the border of an element to RYB 78, 145, 216 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(78, 208, 216) }
```

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

```
.border{ border-color:rgb(78, 208, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 208, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 208, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 208, 216);  
box-shadow:4px 4px 4px 4px rgb(78, 208,  
216) }
```

Background

The CSS property to change the background color of an element to RYB 78, 145, 216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 208, 216) }
```

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

```
.background{ background-color: rgb(78, 208,  
216) }
```

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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