

Converting Colors

`RYB(120, 216, 204)`

Have a look what the booklet for
RYB(120, 216, 204) contains.

RYB(120, 216, 204)	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

R_YB(120, 216, 204)

Conversions

Conversions Part 1

Format	Color
Hex	84D878
RGB	132, 216, 120
RGB Percent	52%, 85%, 47%
CMY	0.4824, 0.1529, 0.5294
CMYK	0.39, 0.00, 0.44, 0.15
HSL	112°, 55%, 66%
HSV	112°, 44%, 85%
XYZ	37.4618, 55.3733, 26.4830
YIQ	179.9400, -19.2480, -47.6640

Conversions

Conversions Part 2

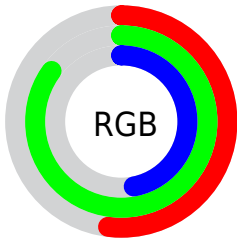
Format	Color
RYB	120, 216, 204
Decimal	8706168
CIELab	79.26, -43.99, 39.39
CIELCh	79, 59.049, 138.157
Yxy	55.3733, 0.3140, 0.4641
Android (android.graphics.Color)	4286896248 (0xFF84D878)
YUV	179.9400, -29.5504, -42.0434
Hunter-Lab	74.4133, -40.3612, 30.9885

Details

The RYB color **120, 216, 204** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **204, 120, 216**, and the grayscale version is **180, 180, 180**.

A 20% lighter version of the original color is **174, 255, 241**, and **69, 160, 152** is the 20% darker color. If you saturate the color by 10%, you get **98, 216, 201**, and if you desaturate by 10%, it is **142, 216, 207**.

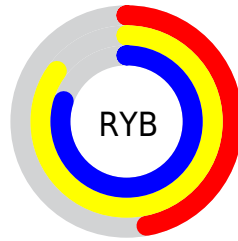
Distribution



Red (52%)

Green (85%)

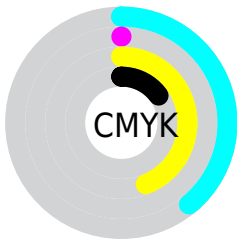
Blue (47%)



Red (47%)

Yellow (85%)

Blue (80%)

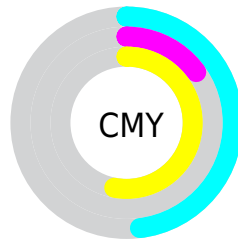


Cyan (39%)

Magenta (0%)

Yellow (44%)

Black (15%)



Cyan (48%)

Magenta (15%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the RYB color 120, 216, 204 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 120, 216, 204 by changing the saturation by 10% instead.

 120, 216, 204


255, 255, 255


 174, 255, 241


 201, 255, 239

 230, 255, 238

 120, 216, 204

 94, 188, 178

 69, 160, 152

 44, 134, 130

 8, 99, 108

 0, 83, 83

 0, 59, 59

 0, 38, 38

 0, 0, 0

 120, 216, 204

 120, 216, 204

■ 98, 216, 201

■ 142, 216, 207

■ 77, 216, 199

■ 163, 216, 209

■ 55, 216, 196

■ 185, 216, 212

■ 34, 216, 194

■ 206, 216, 214

■ 12, 216, 190

■ 227, 216, 228

■ 0, 216, 189

■ 245, 216, 250

■ 255, 216, 255

Harmonies

Analogous

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



87, 204, 95



120, 216, 204



0, 126, 223

Triad

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



120, 216, 204



0, 115, 255



255, 151, 165

Complementary

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



120, 216, 204



204, 120, 216

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, 152, 221



120, 216, 204



163, 184, 255

Square

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



120, 216, 204



0, 118, 255



242, 169, 255



255, 192, 116

Rectangle

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



120, 216, 204



0, 116, 224



242, 169, 255



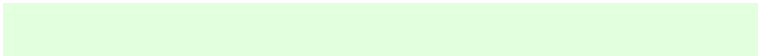
255, 149, 183

Sweetspot

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



120, 216, 204



222, 255, 251



135, 216, 120



107, 128, 125



0, 0, 0



128, 128, 128

Same Dimension

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



120, 216, 204



120, 255, 238



120, 190, 216



96, 107, 105



0, 171, 150



0, 43, 38

Inverse Universe

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



204, 120, 216



238, 120, 255



216, 120, 181



106, 96, 107



149, 0, 171



38, 0, 43

Previews

White Background



This preview shows how the RYB color 120, 216, 204 looks on a white background.

Color Contrast Check

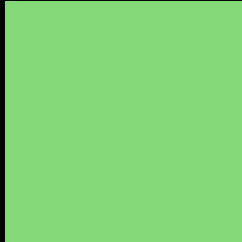
Large Text (above 18pt) WCAG AA × Fail

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 120, 216, 204 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 120, 216, 204 Background



This preview shows how black text looks on a background with the RYB color 120, 216, 204.



This preview shows how white text looks on a background with the RYB color 120, 216, 204.

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](#).

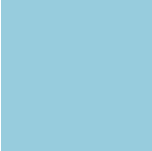
Dichromacy



Original Color
[120, 216, 204](#)

Protanopia
[135, 214, 112](#)

Deuteranopia
[213, 235, 127](#)



Tritanopia
151, 181, 221

Trichromacy



Original Color

120, 216, 204



Protanomaly

115, 203, 134



Deuteranomaly

124, 198, 124



Tritanomaly

144, 183, 208

Monochromacy



Original Color

120, 216, 204



Achromatopsia

180, 180, 180



Achromatomaly

158, 193, 188

CSS Examples

Text

The CSS property to change the color of the text to RYB 120, 216, 204 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(132, 216, 120)` looks like.

```
.text, #text, p{  
    color:rgb(132, 216, 120)  
}
```

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(132, 216, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 216, 120) }
```

Border

The CSS property to change the border of an element to RYB 120, 216, 204 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(132, 216, 120) }
```

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

```
.border{ border-color:rgb(132, 216, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 216, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(132, 216, 120); -webkit-box-shadow:4px 4px 4px 4px rgb(132, 216, 120); box-shadow:4px 4px 4px 4px rgb(132, 216, 120) }
```

Background

The CSS property to change the background color of an element to RYB 120, 216, 204 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 216, 120) }
```

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

```
.background{ background-color: rgb(132,  
216, 120) }
```

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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