

Converting Colors

`RYB(220, 127, 117)`

Have a look what the booklet for
RYB(220, 127, 117) contains.

RYB(220, 127, 117)	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

$\text{RYB}(220, 127, 117)$

Conversions

Conversions Part 1

Format	Color
Hex	DC7E75
RGB	220, 126, 117
RGB Percent	86%, 49%, 46%
CMY	0.1373, 0.5054, 0.5412
CMYK	0.00, 0.43, 0.47, 0.14
HSL	5°, 60%, 66%
HSV	5°, 47%, 86%
XYZ	40.2017, 31.4511, 20.7814
YIQ	153.0800, 58.9130, 17.1290

Conversions

Conversions Part 2

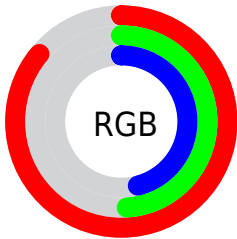
Format	Color
R_{YB}	220, 127, 117
Decimal	14450293
CIE Lab	62.89, 35.29, 20.86
CIE LCh	63, 40.998, 30.585
Yxy	31.4511, 0.4349, 0.3403
Android (android.graphics.Color)	4292640373 (0xFFDC7E75)
YUV	153.0800, -17.7874, 58.6888
Hunter-Lab	56.0813, 29.8147, 17.2865

Details

The RYB color **220, 127, 117** is a light color, and the websafe version is hex **CC6666**. A complement of this color would be **117, 166, 220**, and the grayscale version is **153, 153, 153**.

A 20% lighter version of the original color is **255, 182, 169**, and **161, 75, 69** is the 20% darker color. If you saturate the color by 10%, you get **220, 107, 95**, and if you desaturate by 10%, it is **220, 147, 139**.

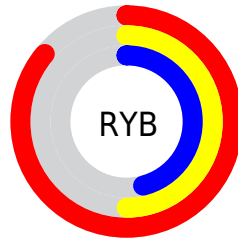
Distribution



Red (86%)

Green (49%)

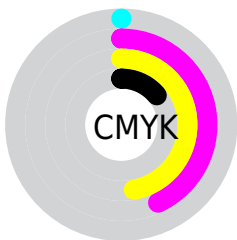
Blue (46%)



Red (86%)

Yellow (50%)

Blue (46%)

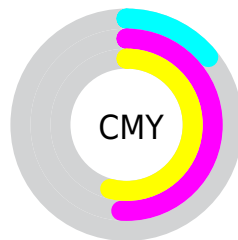


Cyan (0%)

Magenta (43%)

Yellow (47%)

Black (14%)



Cyan (14%)


Magenta (51%)


Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the RYB color 220, 127, 117 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 220, 127, 117 by changing the saturation by 10% instead.

 220, 127, 117

 220, 127, 117

255, 255, 255

 190, 101, 92

 255, 182, 169

 161, 75, 69

 255, 211, 196

 133, 50, 46

 255, 246, 224

 105, 25, 26


253, 255, 253


 78, 0, 0

 52, 0, 0

 12, 0, 0

 0, 0, 0

 220, 127, 117

 220, 127, 117

■ 220, 107, 95

■ 220, 147, 139

■ 220, 87, 73

■ 220, 166, 161

■ 220, 67, 51

■ 220, 186, 183

■ 220, 48, 29

■ 220, 206, 205

■ 220, 28, 7

■ 220, 223, 227

■ 220, 21, 0

■ 220, 234, 249

■ 220, 238, 255

Harmonies

Analogous

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



219, 123, 153



220, 127, 117



203, 172, 89

Triad

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



220, 127, 117



91, 150, 168



94, 136, 225

Complementary

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



220, 127, 117



117, 166, 220

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.



0, 93, 215



220, 127, 117



10, 96, 171

Square

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



220, 127, 117



88, 161, 112



0, 89, 188



156, 142, 215

Rectangle

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



220, 127, 117



141, 185, 79



0, 89, 188



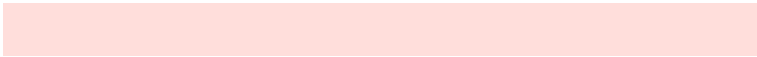
67, 125, 224

Sweetspot

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



220, 127, 117



255, 222, 219



220, 117, 211



128, 108, 106



0, 0, 0



128, 128, 128

Same Dimension

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



220, 127, 117



255, 126, 112



191, 220, 117



110, 100, 99



173, 16, 0



46, 4, 0

Inverse Universe

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



117, 166, 220



112, 180, 255



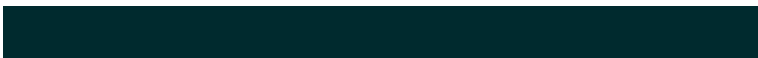
117, 147, 220



99, 104, 110



0, 83, 173



0, 22, 46

Previews

White Background



This preview shows how the RYB color 220, 127, 117 looks on a white background.

Color Contrast Check

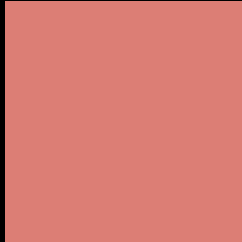
Large Text (above 18pt) WCAG AA × Fail

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 220, 127, 117 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 220, 127, 117 Background



This preview shows how black text looks on a background with the RYB color 220, 127, 117.



This preview shows how white text looks on a background with the RYB color 220, 127, 117.

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
220, 127, 117

Protanopia
142, 161, 129

Deuteranopia
180, 178, 113



Tritanopia
221, 124, 133

Trichromacy



Original Color
220, 127, 117

Protanomaly
182, 151, 125

Deuteranomaly
195, 150, 114

Tritanomaly
221, 125, 127

Monochromacy



Original Color
220, 127, 117

Achromatopsia
153, 153, 153

Achromatomaly
177, 143, 140

CSS Examples

Text

The CSS property to change the color of the text to RYB 220, 127, 117 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(220, 126, 117)` looks like.

```
.text, #text, p{  
    color:rgb(220, 126, 117)  
}
```

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(220, 126, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 126, 117) }
```

Border

The CSS property to change the border of an element to RYB 220, 127, 117 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(220, 126, 117) }
```

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

```
.border{ border-color:rgb(220, 126, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 126, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 126, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 126, 117);  
box-shadow:4px 4px 4px 4px rgb(220, 126,  
117) }
```

Background

The CSS property to change the background color of an element to RGB 220, 126, 117 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 126, 117) }
```

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

```
.background{ background-color: rgb(220,  
126, 117) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor