

Converting Colors

`RYB(224, 83, 107)`

Have a look what the booklet for
RYB(224, 83, 107) contains.

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Color

R_YB(224, 83, 107)

Conversions

Conversions Part 1

Format	Color
Hex	E0536B
RGB	224, 83, 107
RGB Percent	88%, 33%, 42%
CMY	0.1216, 0.6745, 0.5804
CMYK	0.00, 0.63, 0.52, 0.12
HSL	350°, 69%, 60%
HSV	350°, 63%, 88%
XYZ	36.4876, 23.0953, 16.4447
YIQ	127.8950, 76.3320, 37.3560

Conversions

Conversions Part 2

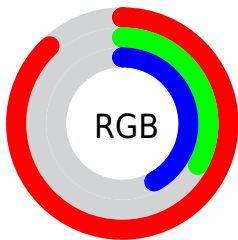
Format	Color
R_{YB}	224, 83, 107
Decimal	14701419
CIE _{Lab}	55.17, 56.62, 16.20
CIE _{LCh}	55, 58.892, 15.966
Yxy	23.0953, 0.4799, 0.3038
Android (android.graphics.Color)	4292891499 (0xFFE0536B)
YUV	127.8950, -10.3012, 84.2841
Hunter-Lab	48.0576, 51.4246, 13.3521

Details

The RYB color **224, 83, 107** is a dark color, and the websafe version is hex **CC3366**. The color can be described as middle muted rose. A complement of this color would be **83, 160, 224**, and the grayscale version is **128, 128, 128**.

A 20% lighter version of the original color is **255, 139, 158**, and **163, 18, 60** is the 20% darker color. If you saturate the color by 10%, you get **224, 61, 88**, and if you desaturate by 10%, it is **224, 105, 126**.

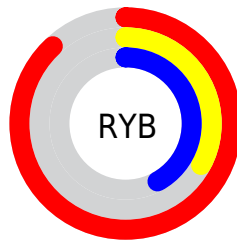
Distribution



Red (88%)

Green (33%)

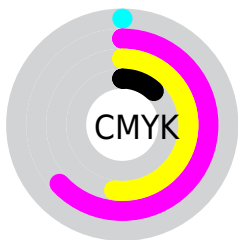
Blue (42%)



Red (88%)

Yellow (33%)

Blue (42%)

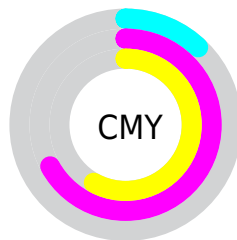


Cyan (0%)

Magenta (63%)

Yellow (52%)

Black (12%)



Cyan (12%)

Magenta (67%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the RYB color 224, 83, 107 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 224, 83, 107 by changing the saturation by 10% instead.

 224, 83, 107  224, 83, 107

255, 255, 255  193, 54, 83

 255, 139, 158  163, 18, 60

 255, 167, 185  133, 0, 39

 255, 195, 213  104, 0, 19

 255, 224, 241  75, 0, 1

255, 254, 255  47, 0, 2


 0, 0, 0


 224, 83, 107  224, 83, 107

 224, 61, 88  224, 105, 126


 224, 38, 70


 224, 128, 144

 224, 16, 51

 224, 150, 163

 224, 0, 38

 224, 173, 181

 224, 195, 200

 224, 217, 219

 224, 233, 240

 224, 240, 255

Harmonies

Analogous

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



212, 86, 158



224, 83, 107



210, 115, 60

Triad

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



224, 83, 107



56, 149, 134



0, 89, 231

Complementary

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



224, 83, 107



83, 160, 224

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, 88, 205



224, 83, 107



0, 92, 155

Square

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



224, 83, 107



15, 138, 21



0, 79, 159



82, 117, 231

Rectangle

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



224, 83, 107



180, 190, 33



0, 79, 159



0, 89, 225

Sweetspot

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



224, 83, 107



255, 207, 215



198, 83, 224



128, 98, 103



0, 0, 0



128, 128, 128

Same Dimension

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



224, 83, 107



255, 61, 94



224, 149, 83



112, 101, 103



176, 0, 30



48, 0, 8

Inverse Universe

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



224, 83, 107



255, 61, 94



83, 140, 224



112, 101, 103



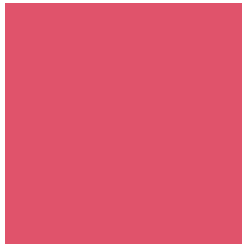
176, 0, 30



48, 0, 8

Previews

White Background



This preview shows how the RYB color 224, 83, 107 looks on a white background.

Color Contrast Check

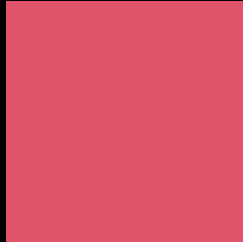
Large Text (above 18pt) WCAG AA ✓ Pass

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 224, 83, 107 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 × Fail

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

RYB 224, 83, 107 Background



This preview shows how black text looks on a background with the RYB color 224, 83, 107.

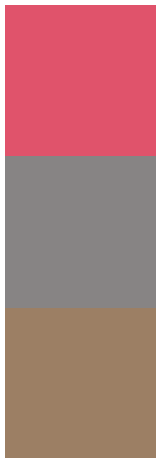


This preview shows how white text looks on a background with the RYB color 224, 83, 107.

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
224, 83, 107

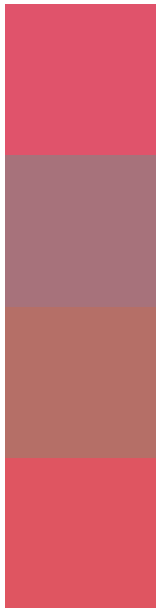
Protanopia
135, 132, 132

Deuteranopia
156, 152, 100



Tritanopia
223, 86, 91

Trichromacy



Original Color

224, 83, 107

Protanomaly

167, 114, 123

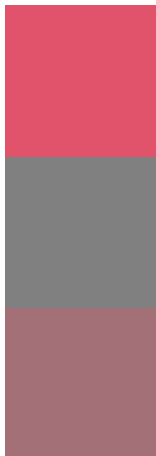
Deuteranomaly

181, 112, 103

Tritanomaly

223, 85, 97

Monochromacy



Original Color

224, 83, 107

Achromatopsia

128, 128, 128

Achromatomaly

163, 112, 120

CSS Examples

Text

The CSS property to change the color of the text to RYB 224, 83, 107 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(224, 83, 107) looks like.

```
.text, #text, p{  
    color:rgb(224, 83, 107)  
}
```

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(224, 83, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 83, 107) }
```

Border

The CSS property to change the border of an element to RYB 224, 83, 107 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(224, 83, 107) }
```

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

```
.border{ border-color:rgb(224, 83, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 83, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 83, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 83, 107);  
box-shadow:4px 4px 4px 4px rgb(224, 83,  
107) }
```

Background

The CSS property to change the background color of an element to RGB 224, 83, 107 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 83, 107) }
```

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

```
.background{ background-color: rgb(224, 83,  
107) }
```

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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