

Converting Colors

`RYB(227, 45, 144)`

Have a look what the booklet for
RYB(227, 45, 144) contains.

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Color

`RYB(227, 45, 144)`

Conversions

Conversions Part 1

Format	Color
Hex	E32D90
RGB	227, 45, 144
RGB Percent	89%, 18%, 56%
CMY	0.1098, 0.8235, 0.4353
CMYK	0.00, 0.80, 0.37, 0.11
HSL	327°, 76%, 53%
HSV	327°, 80%, 89%
XYZ	37.6510, 20.2213, 28.3042
YIQ	110.7040, 76.6930, 69.3730

Conversions

Conversions Part 2

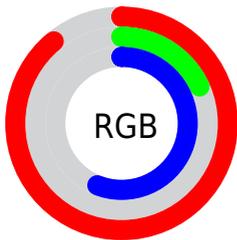
Format	Color
RYB	227, 45, 144
Decimal	14888336
CIELab	52.09, 73.74, -10.25
CIElCh	52, 74.444, 352.085
Yxy	20.2213, 0.4369, 0.2346
Android (android.graphics.Color)	4293078416 (0xFFE32D90)
YUV	110.7040, 16.4149, 101.9916
Hunter-Lab	44.9681, 70.7608, -5.8412

Details

The RYB color **227, 45, 144** is a dark color, and the websafe version is hex **FF3399**. The color can be described as middle washed rose. A complement of this color would be **45, 170, 227**, and the grayscale version is **110, 110, 110**.

A 20% lighter version of the original color is **255, 111, 198**, and **166, 0, 94** is the 20% darker color. If you saturate the color by 10%, you get **227, 22, 134**, and if you desaturate by 10%, it is **227, 68, 154**.

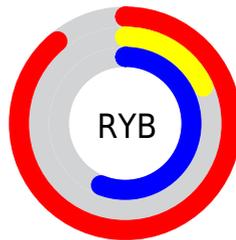
Distribution



Red (89%)

Green (18%)

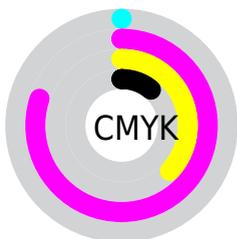
Blue (56%)



Red (89%)

Yellow (18%)

Blue (56%)

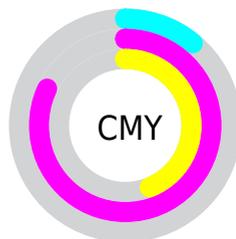


Cyan (0%)

Magenta (80%)

Yellow (37%)

Black (11%)



Cyan (11%)

Magenta (82%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the RYB color 227, 45, 144 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 227, 45, 144 by changing the saturation by 10% instead.



227, 45, 144



227, 45, 144

255, 255, 255



196, 0, 118



255, 111, 198



166, 0, 94



255, 141, 226



136, 0, 70



255, 170, 254



107, 0, 48



255, 200, 255



79, 0, 27



255, 230, 255



50, 0, 2



0, 0, 0



227, 45, 144



227, 45, 144



227, 22, 134



227, 68, 154

■ 227, 0, 123

■ 227, 90, 165

■ 227, 113, 175

■ 227, 136, 185

■ 227, 159, 196

■ 227, 181, 206

■ 227, 204, 216

■ 227, 227, 227

■ 227, 242, 249

Harmonies

Analogous

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



183, 81, 204



227, 45, 144



233, 51, 81

Triad

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



227, 45, 144



0, 135, 30



0, 89, 225

Complementary

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



227, 45, 144



45, 170, 227

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, 80, 171



227, 45, 144



0, 118, 146

Square

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



227, 45, 144



70, 165, 0



0, 89, 151



0, 89, 252

Rectangle

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



227, 45, 144



220, 82, 40



0, 89, 151



0, 87, 209

Sweetspot

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



227, 45, 144



255, 194, 227



127, 45, 227



128, 91, 111



0, 0, 0



128, 128, 128

Same Dimension

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



227, 45, 144



255, 10, 143



227, 45, 54



115, 103, 110



179, 0, 97



51, 0, 28

Inverse Universe

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



227, 45, 144



255, 10, 143



45, 138, 227



115, 103, 110



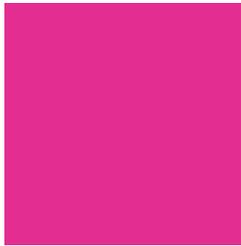
179, 0, 97



51, 0, 28

Previews

White Background



This preview shows how the RYB color 227, 45, 144 looks on a white background.

Color Contrast Check

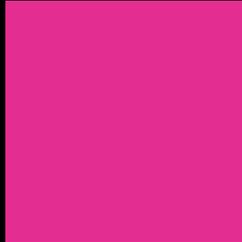
Large Text (above 18pt) WCAG AA ✓ Pass

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 227, 45, 144 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

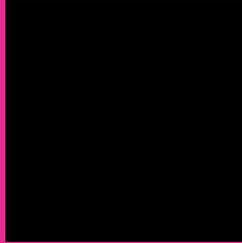
Any Text WCAG AA ✓ Pass

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 227, 45, 144 Background



This preview shows how black text looks on a background with the RYB color 227, 45, 144.

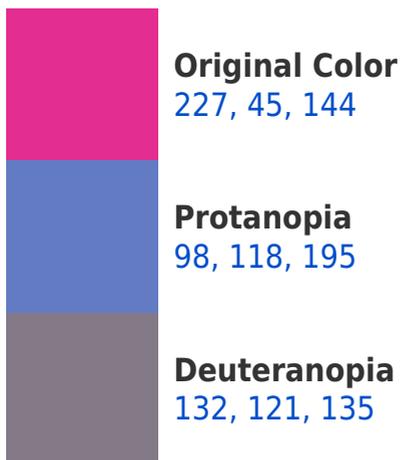


This preview shows how white text looks on a background with the RYB color 227, 45, 144.

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
222, 69, 72

Trichromacy



Original Color

227, 45, 144



Protanomaly

145, 95, 176



Deuteranomaly

167, 93, 138



Tritanomaly

224, 60, 98

Monochromacy



Original Color

227, 45, 144



Achromatopsia

111, 111, 111



Achromatomaly

153, 87, 123

CSS Examples

Text

The CSS property to change the color of the text to RYB 227, 45, 144 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(227, 45, 144)` looks like.

```
.text, #text, p{  
    color:rgb(227, 45, 144)  
}
```

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(227, 45, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 45, 144) }
```

Border

The CSS property to change the border of an element to RYB 227, 45, 144 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(227, 45, 144) }
```

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

```
.border{ border-color:rgb(227, 45, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 45, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 45, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 45, 144);  
box-shadow:4px 4px 4px 4px rgb(227, 45,  
144) }
```

Background

The CSS property to change the background color of an element to RGB 227, 45, 144 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 45, 144) }
```

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

```
.background{ background-color: rgb(227, 45,  
144) }
```

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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