

Converting Colors

`RYB(220, 77, 145)`

Have a look what the booklet for
RYB(220, 77, 145) contains.

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Color

R_YB(220, 77, 145)

Conversions

Conversions Part 1

Format	Color
Hex	DC4D91
RGB	220, 77, 145
RGB Percent	86%, 30%, 57%
CMY	0.1373, 0.6980, 0.4314
CMYK	0.00, 0.65, 0.34, 0.14
HSL	331°, 67%, 58%
HSV	331°, 65%, 86%
XYZ	37.2799, 22.5677, 29.1792
YIQ	127.5090, 63.4000, 51.4640

Conversions

Conversions Part 2

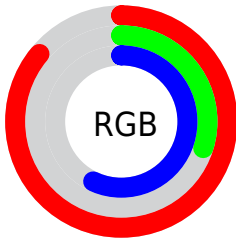
Format	Color
R_{YB}	220, 77, 145
Decimal	14437777
CIE _{Lab}	54.62, 61.59, -7.18
CIE _{LCh}	55, 62.003, 353.352
Yxy	22.5677, 0.4187, 0.2535
Android (android.graphics.Color)	4292627857 (0xFFDC4D91)
YUV	127.5090, 8.6231, 81.1146
Hunter-Lab	47.5055, 56.9431, -3.1637

Details

The RYB color **220, 77, 145** is a dark color, and the websafe version is hex **FF6699**. The color can be described as middle muted rose. A complement of this color would be **77, 171, 220**, and the grayscale version is **127, 127, 127**.

A 20% lighter version of the original color is **255, 134, 199**, and **161, 0, 95** is the 20% darker color. If you saturate the color by 10%, you get **220, 55, 133**, and if you desaturate by 10%, it is **220, 99, 157**.

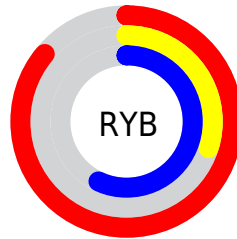
Distribution



Red (86%)

Green (30%)

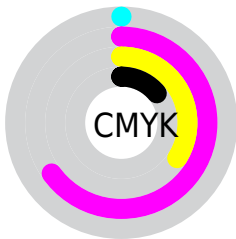
Blue (57%)



Red (86%)

Yellow (30%)

Blue (57%)

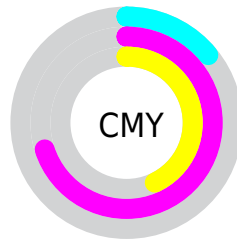


Cyan (0%)

Magenta (65%)

Yellow (34%)

Black (14%)



Cyan (14%)

Magenta (70%)

Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the RYB color 220, 77, 145 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, 77, 145 by changing the saturation by 10% instead.



220, 77, 145



220, 77, 145

255, 255, 255



190, 46, 119



255, 134, 199



161, 0, 95



255, 162, 227



132, 0, 71



255, 191, 255



103, 0, 49



255, 220, 255



75, 0, 28



255, 250, 255



49, 0, 2



0, 0, 0



220, 77, 145



220, 77, 145





220, 55, 133





220, 99, 157


 220, 33, 122


 220, 121, 168

 220, 11, 110

 220, 143, 180

 220, 0, 105

 220, 165, 191

 220, 187, 203

 220, 209, 214

 220, 227, 231

 220, 242, 253

 220, 239, 255

Harmonies

Analogous

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



183, 97, 195



220, 77, 145



225, 80, 92

Triad

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



220, 77, 145



8, 140, 32



0, 89, 216

Complementary

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



220, 77, 145



77, 171, 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, 82, 172



220, 77, 145



37, 130, 150

Square

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



220, 77, 145



56, 166, 0



0, 88, 155



0, 89, 238

Rectangle

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



220, 77, 145



214, 104, 59



0, 88, 155



0, 87, 203

Sweetspot

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



220, 77, 145



255, 204, 228



151, 77, 220



128, 97, 111



0, 0, 0



128, 128, 128

Same Dimension

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



220, 77, 145



255, 56, 151



220, 79, 77



110, 99, 104



173, 0, 82



46, 0, 22

Inverse Universe

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



220, 77, 145



255, 56, 151



77, 148, 220



110, 99, 104



173, 0, 82



46, 0, 22

Previews

White Background



This preview shows how the RYB color 220, 77, 145 looks on a white background.

Color Contrast Check

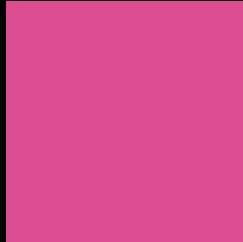
Large Text (above 18pt) WCAG AA ✓ Pass

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 220, 77, 145 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 220, 77, 145 Background



This preview shows how black text looks on a background with the RYB color 220, 77, 145.



This preview shows how white text looks on a background with the RYB color 220, 77, 145.

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, 77, 145

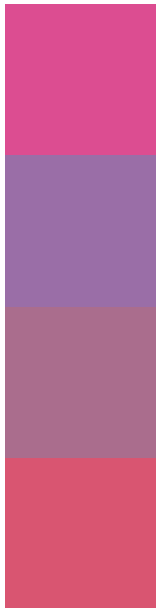
Protanopia
116, 127, 180

Deuteranopia
141, 127, 138



Tritanopia
216, 89, 95

Trichromacy



Original Color

220, 77, 145

Protanomaly

154, 110, 167

Deuteranomaly

170, 109, 141

Tritanomaly

217, 85, 113

Monochromacy



Original Color

220, 77, 145

Achromatopsia

128, 128, 128

Achromatomaly

161, 109, 134

CSS Examples

Text

The CSS property to change the color of the text to RYB 220, 77, 145 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, 77, 145)` looks like.

```
.text, #text, p{  
    color:rgb(220, 77, 145)  
}
```

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, 77, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 77, 145) }
```

Border

The CSS property to change the border of an element to RYB 220, 77, 145 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, 77, 145) }
```

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

```
.border{ border-color:rgb(220, 77, 145) }
```

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

Here you see how a box with a 4 pixel rgb(220, 77, 145) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 77, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 77, 145);  
box-shadow:4px 4px 4px 4px rgb(220, 77,  
145) }
```

Background

The CSS property to change the background color of an element to RGB 220, 77, 145 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 77, 145) }
```

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

```
.background{ background-color: rgb(220, 77,  
145) }
```

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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