

Converting Colors

`RYB(255, 66, 220)`

Have a look what the booklet for
RYB(255, 66, 220) contains.

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Color

`RYB(255, 66, 220)`

Conversions

Conversions Part 1

Format	Color
Hex	FF42DC
RGB	255, 66, 220
RGB Percent	100%, 26%, 86%
CMY	0.0000, 0.7412, 0.1373
CMYK	0.00, 0.74, 0.14, 0.00
HSL	311°, 100%, 63%
HSV	311°, 74%, 100%
XYZ	56.1065, 30.3237, 70.6061
YIQ	140.0670, 63.2100, 87.9620

Conversions

Conversions Part 2

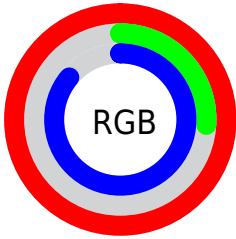
Format	Color
R _Y B	255, 66, 220
Decimal	16728796
CIE Lab	61.93, 83.52, -38.74
CIE LCh	62, 92.065, 335.113
Yxy	30.3237, 0.3573, 0.1931
Android (android.graphics.Color)	4294918876 (0xFFFF42DC)
YUV	140.0670, 39.4070, 100.7962
Hunter-Lab	55.0670, 85.5023, -37.4739

Details

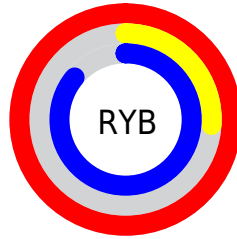
The RYB color **255, 66, 220** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed magenta. A complement of this color would be **66, 225, 255**, and the grayscale version is **140, 140, 140**.

A 20% lighter version of the original color is **255, 131, 255**, and **194, 0, 164** is the 20% darker color. If you saturate the color by 10%, you get **255, 40, 215**, and if you desaturate by 10%, it is **255, 91, 225**.

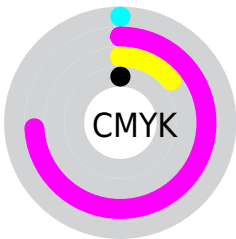
Distribution



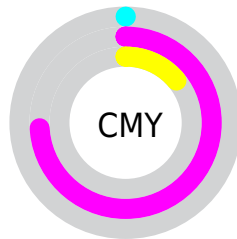
- Red (100%)
- Green (26%)
- Blue (86%)



- Red (100%)
- Yellow (26%)
- Blue (86%)



- Cyan (0%)
- Magenta (74%)
- Yellow (14%)
- Black (0%)




















- Cyan (0%)
- Magenta (74%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the RYB color 255, 66, 220 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 255, 66, 220 by changing the saturation by 10% instead.


 255, 66, 220	 255, 66, 220
 255, 255, 255	 224, 17, 192
 255, 131, 255	 194, 0, 164
 255, 161, 255	 164, 0, 138
 255, 191, 255	 135, 0, 112
 255, 222, 255	 106, 0, 87
 255, 252, 255	 78, 0, 63
	 49, 0, 40
	 6, 0, 17
	 0, 0, 0

 255, 66, 220

 255, 66, 220

 255, 40, 215

 255, 91, 225

 255, 15, 211

 255, 117, 229

 255, 0, 208

 255, 143, 234

 255, 168, 239

 255, 194, 244

 255, 219, 248

 255, 244, 253

255, 255, 255

Harmonies

Analogous

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



161, 120, 255



255, 66, 220



255, 13, 139

Triad

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



255, 66, 220



20, 169, 0



0, 104, 242

Complementary

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



255, 66, 220



66, 225, 255

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, 98, 184



255, 66, 220



0, 170, 91

Square

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



255, 66, 220



230, 234, 0



0, 127, 180



0, 104, 255

Rectangle

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



255, 66, 220



255, 49, 86



0, 127, 180



0, 100, 217

Sweetspot

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



255, 66, 220



255, 199, 245



101, 66, 255



128, 94, 121



0, 0, 0



128, 128, 128

Same Dimension

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



255, 66, 220



255, 28, 213



255, 66, 126



128, 115, 125



191, 0, 156



64, 0, 52

Inverse Universe

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



255, 66, 220



255, 28, 213



66, 178, 255



128, 115, 125



191, 0, 156



64, 0, 52

Previews

White Background



This preview shows how the RYB color 255, 66, 220 looks on a white background.

Color Contrast Check

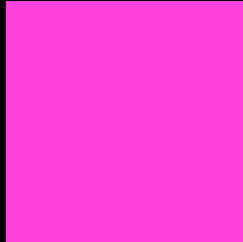
Large Text (above 18pt) WCAG AA × Fail

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 255, 66, 220 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](#).

R Y B 255, 66, 220 Background



This preview shows how black text looks on a background with the RYB color 255, 66, 220.



This preview shows how white text looks on a background with the RYB color 255, 66, 220.

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
255, 66, 220

Protanopia
102, 137, 255

Deuteranopia
130, 145, 208



Tritanopia
245, 103, 110

Trichromacy



Original Color

255, 66, 220



Protanomaly

158, 118, 242



Deuteranomaly

175, 118, 212



Tritanomaly

249, 90, 150

Monochromacy



Original Color

255, 66, 220



Achromatopsia

140, 140, 140



Achromatomaly

182, 113, 169

CSS Examples

Text

The CSS property to change the color of the text to RYB 255, 66, 220 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(255, 66, 220)` looks like.

```
.text, #text, p{  
    color:rgb(255, 66, 220)  
}
```

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(255, 66, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 66, 220) }
```

Border

The CSS property to change the border of an element to RYB 255, 66, 220 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(255, 66, 220) }
```

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

```
.border{ border-color:rgb(255, 66, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 66, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 66, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 66, 220);  
box-shadow:4px 4px 4px 4px rgb(255, 66,  
220) }
```

Background

The CSS property to change the background color of an element to RGB 255, 66, 220 is called "background".

The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 66, 220) }
```

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

```
.background{ background-color: rgb(255, 66,  
220) }
```

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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