

Converting Colors

$Y_{xy}(31.5322, 0.4211, 0.2555)$

Have a look what the booklet for
Yxy(31.5322, 0.4211, 0.2555)
contains.

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Color

Yxy(31.5322, 0.4211, 0.2555)

Conversions

Conversions Part 1

Format	Color
Hex	FF5BA7
RGB	255, 91, 167
RGB Percent	100%, 36%, 65%
CMY	0.0000, 0.6433, 0.3451
CMYK	0.00, 0.64, 0.35, 0.00
HSL	332°, 100%, 68%
HSV	332°, 64%, 100%
XYZ	51.9695, 31.5322, 39.9120
YIQ	148.7000, 73.3480, 58.4040

Conversions

Conversions Part 2

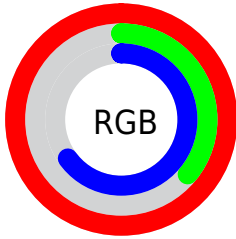
Format	Color
R _Y B	255, 91, 167
Decimal	16735143
CIE Lab	62.95, 68.54, -7.01
CIE LCh	63, 68.896, 354.163
Yxy	31.5322, 0.4211, 0.2555
Android (android.graphics.Color)	4294925223 (0xFFFF5BA7)
YUV	148.7000, 9.0219, 93.2251
Hunter-Lab	56.1535, 66.9312, -2.8338

Details

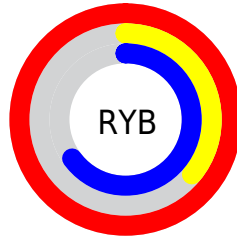
The Yxy color **31.5322, 0.4211, 0.2555** is a light color, and the websafe version is hex **FF6699**. The color can be described as light muted rose. A complement of this color would be **76.9943, 0.2676, 0.4274**, and the grayscale version is **29.8493, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.0288, 0.3464, 0.2553**, and **13.1398, 0.4555, 0.2342** is the 20% darker color. If you saturate the color by 10%, you get **27.4042, 0.4476, 0.2507**, and if you desaturate by 10%, it is **37.1797, 0.3966, 0.2640**.

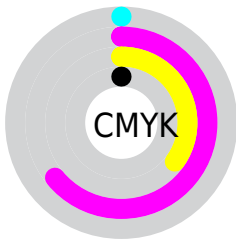
Distribution



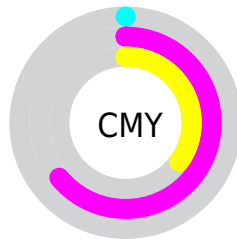
- Red (100%)
- Green (36%)
- Blue (65%)



- Red (100%)
- Yellow (36%)
- Blue (65%)



- Cyan (0%)
- Magenta (64%)
- Yellow (35%)
- Black (0%)




- Cyan (0%)
- Magenta (64%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.5322, 0.4211, 0.2555 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 Yxy color 31.5322, 0.4211, 0.2555 by changing the saturation by 10% instead.

 31.5322, 0.4211,
0.2555


 31.5322, 0.4211,
0.2555


308.9827, 0.3646,
0.2929

 21.0044, 0.4358,
0.2461


 62.0770, 0.4001,
0.2692

 13.1272, 0.4551,
0.2339


 82.8628, 0.3923,
0.2743

 7.5162, 0.4812,
0.2177


 107.8368, 0.3858,
0.2786

 3.7870, 0.5183,
0.1953

 137.3833, 0.3803,
0.2823

 1.5551, 0.5747,
0.1626

171.8868, 0.3756,
0.2855

 0.3271, 0.6873,
0.0872

211.7316, 0.3714,

 0.0000, 1.0000,

0.2883

0.0000

257.3021, 0.3678,
0.2907

■ 0.0000, 0.0000,
0.0000

■ 31.5322, 0.4211,
0.2555

■ 31.5322, 0.4211,
0.2555

■ 27.4042, 0.4476,
0.2507

■ 37.1797, 0.3966,
0.2640

■ 24.6580, 0.4749,
0.2507

■ 44.5045, 0.3750,
0.2750

■ 23.0923, 0.5015,
0.2564

■ 53.6211, 0.3564,
0.2872

■ 22.5734, 0.5158,
0.2615

■ 64.6396, 0.3407,
0.2998

■ 77.6610, 0.3276,
0.3122

 92.7794, 0.3168,
0.3241

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



31.5322, 0.3078, 0.2053



31.5322, 0.4211, 0.2555



31.5322, 0.5060, 0.3202

Triad

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



31.5322, 0.4211, 0.2555



31.5322, 0.3853, 0.5255



31.5322, 0.1384, 0.2125

Complementary

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



31.5322, 0.4211, 0.2555



76.9943, 0.2676, 0.4274

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.



31.5322, 0.1501, 0.2915



31.5322, 0.4211, 0.2555



31.5322, 0.2869, 0.5169

Square

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



31.5322, 0.4211, 0.2555



31.5322, 0.4713, 0.4665



31.5322, 0.2006, 0.4144



31.5322, 0.1596, 0.1788

Rectangle

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



31.5322, 0.4211, 0.2555



31.5322, 0.5243, 0.3672



31.5322, 0.2006, 0.4144



31.5322, 0.1384, 0.2332

Sweetspot

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



31.5252, 0.4210, 0.2555



71.3258, 0.3334, 0.3065



24.2125, 0.2490, 0.1498



14.4834, 0.3372, 0.3029



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



31.5252, 0.4210, 0.2555



26.5439, 0.4549, 0.2502



30.4580, 0.5199, 0.3344



18.1272, 0.3221, 0.3180



11.8245, 0.5119, 0.2593



1.1731, 0.4845, 0.2443

Inverse Universe

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



31.5252, 0.4210, 0.2555



26.5439, 0.4549, 0.2502



77.5226, 0.2345, 0.3223



18.1272, 0.3221, 0.3180



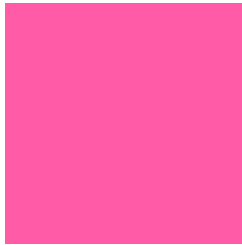
11.8245, 0.5119, 0.2593



1.1731, 0.4845, 0.2443

Previews

White Background



This preview shows how the Yxy color 31.5322, 0.4211, 0.2555 looks on a white background.

Color Contrast Check

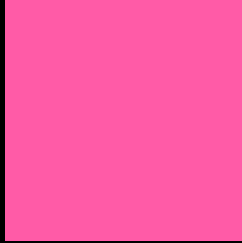
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 31.5322, 0.4211, 0.2555 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

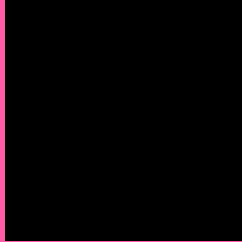
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.5322, 0.4211, 0.2555

Background



This preview shows how black text looks on a background with the Yxy color 31.5322, 0.4211, 0.2555.



This preview shows how white text looks on a background with the Yxy color 31.5322, 0.4211, 0.2555.

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

31.5322, 0.4211, 0.2555

Protanopia

31.9566, 0.2549, 0.2495

Deuteranopia

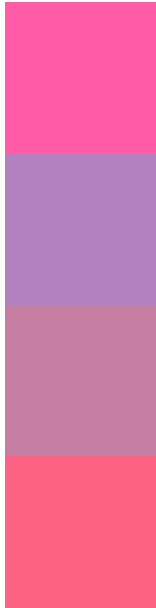
31.6823, 0.3196, 0.3129



Tritanopia

31.5576, 0.4868, 0.3227

Trichromacy



Original Color

31.5322, 0.4211, 0.2555

Protanomaly

29.2096, 0.3041, 0.2455

Deuteranomaly

29.7931, 0.3557, 0.2833

Tritanomaly

31.2578, 0.4643, 0.2980

Monochromacy



Original Color

31.5322, 0.4211, 0.2555

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

28.5300, 0.3511, 0.2907

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.5322, 0.4211, 0.2555 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, 91, 167)` looks like.

```
.text, #text, p{  
    color:rgb(255, 91, 167)  
}
```

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, 91, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 91, 167) }
```

Border

The CSS property to change the border of an element to Yxy 31.5322, 0.4211, 0.2555 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, 91, 167) }
```

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

```
.border{ border-color:rgb(255, 91, 167) }
```

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

Here you see how a box with a 4 pixel rgb(255, 91, 167) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 91, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 91, 167);  
box-shadow:4px 4px 4px 4px rgb(255, 91,  
167) }
```


Background

The CSS property to change the background color of an element to Yxy 31.5322, 0.4211, 0.2555 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 91, 167) }
```

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

```
.background{ background-color: rgb(255, 91,  
167) }
```

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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