

Converting Colors

$Y_{xy}(31.0850, 0.3862, 0.2222)$

Have a look what the booklet for
Yxy(31.0850, 0.3862, 0.2222)
contains.

Yxy(31.0850, 0.3862, 0.2222)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(31.0850, 0.3862, 0.2222)

Conversions

Conversions Part 1

Format	Color
Hex	FF51C3
RGB	255, 81, 195
RGB Percent	100%, 32%, 76%
CMY	0.0001, 0.6822, 0.2353
CMYK	0.00, 0.68, 0.24, 0.00
HSL	321°, 100%, 66%
HSV	321°, 68%, 100%
XYZ	54.0280, 31.0850, 54.7835
YIQ	146.0220, 67.1100, 72.3420

Conversions

Conversions Part 2

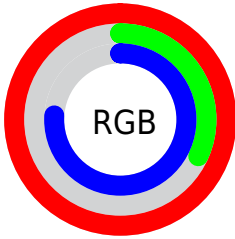
Format	Color
R _Y B	255, 81, 195
Decimal	16732611
CIE Lab	62.58, 75.48, -23.59
CIE LCh	63, 79.084, 342.645
Yxy	31.0850, 0.3862, 0.2222
Android (android.graphics.Color)	4294922691 (0xFFFF51C3)
YUV	146.0220, 24.1462, 95.5737
Hunter-Lab	55.7539, 75.4050, -19.2302

Details

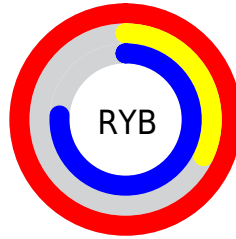
The Yxy color **31.0850, 0.3862, 0.2222** is a light color, and the websafe version is hex **FF66CC**. The color can be described as light muted magenta. A complement of this color would be **75.1830, 0.2808, 0.4803**, and the grayscale version is **28.6382, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.6343, 0.3203, 0.2228**, and **13.3924, 0.4050, 0.2005** is the 20% darker color. If you saturate the color by 10%, you get **27.5942, 0.4015, 0.2151**, and if you desaturate by 10%, it is **36.0242, 0.3715, 0.2335**.

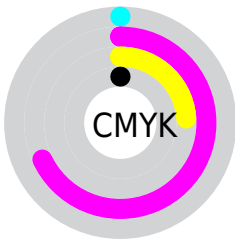
Distribution



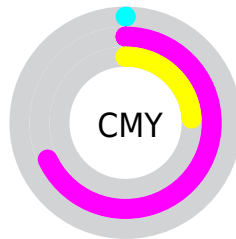
- Red (100%)
- Green (32%)
- Blue (76%)



- Red (100%)
- Yellow (32%)
- Blue (76%)



- Cyan (0%)
- Magenta (68%)
- Yellow (24%)
- Black (0%)




- Cyan (0%)
- Magenta (68%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.0850, 0.3862, 0.2222 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 31.0850, 0.3862, 0.2222 by changing the saturation by 10% instead.

 31.0850, 0.3862,
0.2222


 31.0850, 0.3862,
0.2222


306.9297, 0.3498,
0.2736


 20.6636, 0.3951,
0.2101


 61.3739, 0.3731,
0.2404

 12.8783, 0.4063,
0.1950


 82.0101, 0.3682,
0.2473

 7.3448, 0.4210,
0.1759


 106.8201, 0.3640,
0.2533

 3.6787, 0.4407,
0.1509

 136.1882, 0.3603,
0.2585

 1.4955, 0.4686,
0.1175

170.4988, 0.3572,
0.2630

 0.2855, 0.5214,
0.0520

210.1363, 0.3544,

 0.0000, 0.5890,

0.2670

0.0000

255.4852, 0.3520,
0.2705

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

31.0850, 0.3862,
0.2222

31.0850, 0.3862,
0.2222

27.5942, 0.4015,
0.2151

36.0242, 0.3715,
0.2335

25.3781, 0.4169,
0.2130

42.5502, 0.3580,
0.2479

24.2057, 0.4319,
0.2160

50.7900, 0.3458,
0.2642

24.0490, 0.4345,
0.2167

60.8569, 0.3352,
0.2814

72.8540, 0.3260,
0.2988

86.8769, 0.3182,
0.3157

99.9967, 0.3127,
0.3290

Harmonies

Analogous

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



31.0850, 0.2611, 0.1768



31.0850, 0.3862, 0.2222



31.0850, 0.5053, 0.2872

Triad

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



31.0850, 0.3862, 0.2222



31.0850, 0.4276, 0.5266



31.0850, 0.1200, 0.2223

Complementary

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



31.0850, 0.3862, 0.2222



75.1830, 0.2808, 0.4803

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.



31.0850, 0.1459, 0.3334



31.0850, 0.3862, 0.2222



31.0850, 0.3205, 0.5652

Square

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



31.0850, 0.3862, 0.2222



31.0850, 0.5152, 0.4429



31.0850, 0.2166, 0.4856



31.0850, 0.1302, 0.1702

Rectangle

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



31.0850, 0.3862, 0.2222



31.0850, 0.5467, 0.3357



31.0850, 0.2166, 0.4856



31.0850, 0.1242, 0.2520

Sweetspot

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



31.0866, 0.3862, 0.2222



70.5844, 0.3275, 0.2957



18.5989, 0.2156, 0.1267



14.3646, 0.3300, 0.2908



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.



31.0866, 0.3862, 0.2222



26.6209, 0.4074, 0.2137



28.2727, 0.5053, 0.3040



18.1877, 0.3191, 0.3135



12.5973, 0.4322, 0.2154



1.2471, 0.4161, 0.2066

Inverse Universe

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



31.0866, 0.3862, 0.2222



26.6209, 0.4074, 0.2137



78.7500, 0.2448, 0.3646



18.1877, 0.3191, 0.3135



12.5973, 0.4322, 0.2154



1.2471, 0.4161, 0.2066

Previews

White Background



This preview shows how the Yxy color 31.0850, 0.3862, 0.2222 looks on a white background.

Color Contrast Check

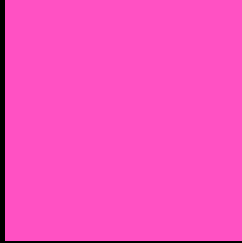
Large Text (above 18pt) WCAG AA × Fail

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 31.0850, 0.3862, 0.2222 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 31.0850, 0.3862, 0.2222

Background



This preview shows how black text looks on a background with the Yxy color 31.0850, 0.3862, 0.2222.



This preview shows how white text looks on a background with the Yxy color 31.0850, 0.3862, 0.2222.

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

31.0850, 0.3862, 0.2222

Protanopia

31.4059, 0.2166, 0.1990

Deuteranopia

31.0722, 0.2808, 0.2749



Tritanopia

31.0048, 0.4842, 0.3226

Trichromacy



Original Color

31.0850, 0.3862, 0.2222



Protanomaly

28.0161, 0.2594, 0.1978



Deuteranomaly

28.7808, 0.3156, 0.2446



Tritanomaly

30.8280, 0.4496, 0.2838

Monochromacy



Original Color

31.0850, 0.3862, 0.2222



Achromatopsia

28.7441, 0.3127, 0.3290



Achromatomaly

27.0385, 0.3408, 0.2717

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.0850, 0.3862, 0.2222 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, 81, 195)` looks like.

```
.text, #text, p{  
    color:rgb(255, 81, 195)  
}
```

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, 81, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 81, 195) }
```

Border

The CSS property to change the border of an element to Yxy 31.0850, 0.3862, 0.2222 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, 81, 195) }
```

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

```
.border{ border-color:rgb(255, 81, 195) }
```

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

Here you see how a box with a 4 pixel rgb(255, 81, 195) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 81, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 81, 195);  
box-shadow:4px 4px 4px 4px rgb(255, 81,  
195) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 31.0850, 0.3862, 0.2222$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 81, 195) }
```

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

```
.background{ background-color: rgb(255, 81,  
195) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor