

Converting Colors

$Y_{xy}(25.7742, 0.3761, 0.1846)$

Have a look what the booklet for
Yxy(25.7742, 0.3761, 0.1846)
contains.

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Color

Yxy(25.7650, 0.3763, 0.1847)

Conversions

Conversions Part 1

Format	Color
Hex	FF00CF
RGB	255, 0, 207
RGB Percent	100%, 0%, 81%
CMY	0.0001, 0.9985, 0.1882
CMYK	0.00, 1.00, 0.19, 0.00
HSL	311°, 100%, 50%
HSV	311°, 100%, 100%
XYZ	52.4925, 25.7650, 61.2390
YIQ	99.8430, 85.5330, 118.4370

Conversions

Conversions Part 2

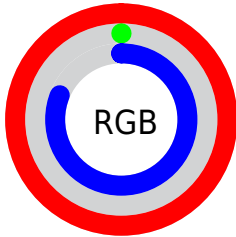
Format	Color
RYB	255, 0, 207
Decimal	16711887
CIELab	57.81, 92.07, -37.83
CIELCh	58, 99.532, 337.665
Yxy	25.7650, 0.3763, 0.1847
Android (android.graphics.Color)	4294901967 (0xFFFF00CF)
YUV	99.8430, 52.8284, 136.0727
Hunter-Lab	50.7592, 95.7666, -35.9995

Details

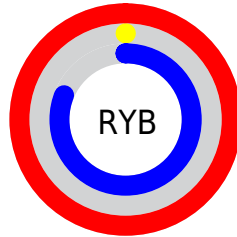
The Yxy color **25.7650, 0.3763, 0.1847** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light saturated magenta. A complement of this color would be **71.7154, 0.2956, 0.5841**, and the grayscale version is **12.6050, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.1805, 0.3192, 0.1900**, and **13.6045, 0.3834, 0.1886** is the 20% darker color. If you saturate the color by 10%, you get **25.7547, 0.3764, 0.1847**, and if you desaturate by 10%, it is **26.7299, 0.3694, 0.1847**.

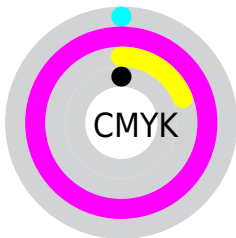
Distribution



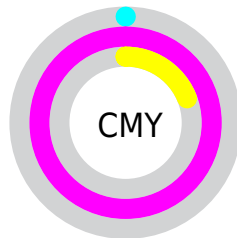
- Red (100%)
- Green (0%)
- Blue (81%)



- Red (100%)
- Yellow (0%)
- Blue (81%)



- Cyan (0%)
- Magenta (100%)
- Yellow (19%)
- Black (0%)




- Cyan (0%)
- Magenta (100%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 25.7650, 0.3763, 0.1847 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 25.7650, 0.3763, 0.1847 by changing the saturation by 10% instead.


 25.7650, 0.3763,
0.1847


 25.7650, 0.3763,
0.1847


281.6266, 0.3466,
0.2525


 16.6479, 0.3829,
0.1694


 52.8956, 0.3661,
0.2082

 9.9838, 0.3909,
0.1509


 71.6779, 0.3621,
0.2173


 5.3882, 0.4006,
0.1281


 94.4507, 0.3586,
0.2252

 2.4768, 0.4125,
0.0999

 121.5985, 0.3556,
0.2321

 0.8650, 0.4266,
0.0657

 153.5055, 0.3530,
0.2381

 0.0000, 0.4539,
0.0000

190.5563, 0.3506,

 0.0000, 0.4491,

0.2435

0.0000

233.1352, 0.3485,
0.2482

■ 0.0000, 0.0000,
0.0000

■ 25.7650, 0.3763,
0.1847

■ 25.7650, 0.3763,
0.1847

■ 25.7547, 0.3764,
0.1847


■ 26.7299, 0.3694,
0.1847


■ 28.6425, 0.3622,
0.1890

■ 31.7844, 0.3548,
0.1979

■ 36.3297, 0.3474,
0.2111

■ 42.4248, 0.3402,
0.2278

 50.1973, 0.3334,
0.2469

 59.7617, 0.3272,
0.2674

 71.2224, 0.3217,
0.2884

 84.6759, 0.3169,
0.3092

Harmonies

Analogous

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



25.7650, 0.2222, 0.1384



25.7650, 0.3763, 0.1847



25.7650, 0.5452, 0.2551

Triad

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



25.7650, 0.3763, 0.1847



25.7650, 0.4548, 0.5437



25.7650, 0.0823, 0.2033

Complementary

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



25.7650, 0.3763, 0.1847



71.7154, 0.2956, 0.5841

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.



25.7650, 0.1124, 0.3599



25.7650, 0.3763, 0.1847



25.7650, 0.3218, 0.6397

Square

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



25.7650, 0.3763, 0.1847



25.7650, 0.5661, 0.4252



25.7650, 0.1984, 0.5817



25.7650, 0.0900, 0.1384

Rectangle

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



25.7650, 0.3763, 0.1847



25.7650, 0.6071, 0.3067



25.7650, 0.1984, 0.5817



25.7650, 0.0872, 0.2429

Sweetspot

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



25.7663, 0.3763, 0.1847



59.6264, 0.3273, 0.2671



7.8313, 0.1574, 0.0641



11.8533, 0.3298, 0.2583



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.



25.7663, 0.3763, 0.1847



25.7631, 0.3764, 0.1847



21.8553, 0.5747, 0.2941



18.2382, 0.3167, 0.3099



13.4828, 0.3753, 0.1841



1.3272, 0.3680, 0.1801

Inverse Universe

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



25.7663, 0.3763, 0.1847



25.7631, 0.3764, 0.1847



74.5687, 0.2550, 0.4378



18.2382, 0.3167, 0.3099



13.4828, 0.3753, 0.1841



1.3272, 0.3680, 0.1801

Previews

White Background



This preview shows how the Yxy color 25.7650, 0.3763, 0.1847 looks on a white background.

Color Contrast Check

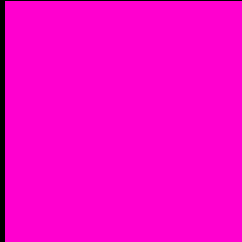
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 25.7650, 0.3763, 0.1847 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

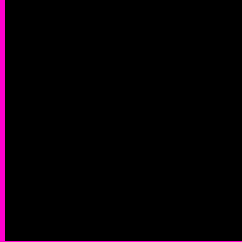
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.7650, 0.3763, 0.1847

Background



This preview shows how black text looks on a background with the Yxy color 25.7650, 0.3763, 0.1847.



This preview shows how white text looks on a background with the Yxy color 25.7650, 0.3763, 0.1847.

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

25.7650, 0.3763, 0.1847

Protanopia

26.5338, 0.1948, 0.1714

Deuteranopia

26.2096, 0.2492, 0.2433



Tritanopia

26.1189, 0.5289, 0.3261

Trichromacy



Original Color

25.7650, 0.3763, 0.1847



Protanomaly

18.9187, 0.2295, 0.1431



Deuteranomaly

19.6490, 0.2859, 0.1849



Tritanomaly

24.2074, 0.4819, 0.2632

Monochromacy



Original Color

25.7650, 0.3763, 0.1847



Achromatopsia

12.7438, 0.3127, 0.3290



Achromatomaly

12.5988, 0.3448, 0.2150

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.7650, 0.3763, 0.1847 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, 0, 207)` looks like.

```
.text, #text, p{  
    color:rgb(255, 0, 207)  
}
```

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, 0, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 207) }
```

Border

The CSS property to change the border of an element to Yxy 25.7650, 0.3763, 0.1847 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, 0, 207) }
```

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

```
.border{ border-color:rgb(255, 0, 207) }
```

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

Here you see how a box with a 4 pixel rgb(255, 0, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 207);  
box-shadow:4px 4px 4px 4px rgb(255, 0,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 25.7650, 0.3763, 0.1847 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 0, 207) }
```

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

```
.background{ background-color: rgb(255, 0,  
207) }
```

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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