

Converting Colors

$Y_{xy}(22.6412, 0.5222, 0.2665)$

Have a look what the booklet for
Yxy(22.6412, 0.5222, 0.2665)
contains.

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Color

Yxy(22.6486, 0.5221, 0.2666)

Conversions

Conversions Part 1

Format	Color
Hex	FF0872
RGB	255, 8, 114
RGB Percent	100%, 3%, 45%
CMY	0.0001, 0.9671, 0.5530
CMYK	0.00, 0.97, 0.55, 0.00
HSL	334°, 100%, 52%
HSV	334°, 97%, 100%
XYZ	44.3542, 22.6486, 17.9507
YIQ	93.9370, 113.1860, 85.3300

Conversions

Conversions Part 2

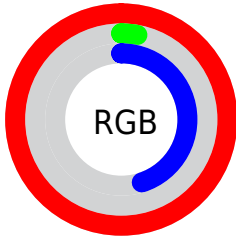
Format	Color
RYB	255, 8, 114
Decimal	16713842
CIELab	54.71, 83.05, 12.25
CIElCh	55, 83.945, 8.388
Yxy	22.6486, 0.5221, 0.2666
Android (android.graphics.Color)	4294903922 (0xFFFF0872)
YUV	93.9370, 9.8911, 141.2523
Hunter-Lab	47.5905, 83.0779, 10.9498

Details

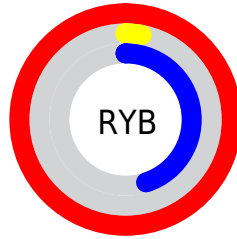
The Yxy color **22.6486, 0.5221, 0.2666** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark saturated rose. A complement of this color would be **73.7329, 0.2653, 0.4736**, and the grayscale version is **11.1866, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.2840, 0.4208, 0.2658**, and **11.4816, 0.5580, 0.2848** is the 20% darker color. If you saturate the color by 10%, you get **22.3618, 0.5309, 0.2698**, and if you desaturate by 10%, it is **23.9639, 0.4942, 0.2590**.

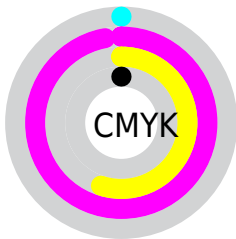
Distribution



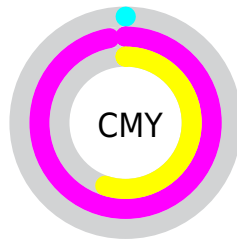
- Red (100%)
- Green (3%)
- Blue (45%)



- Red (100%)
- Yellow (3%)
- Blue (45%)



- Cyan (0%)
- Magenta (97%)
- Yellow (55%)
- Black (0%)





- Cyan (0%)
- Magenta (97%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.6486, 0.5221, 0.2666 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 22.6486, 0.5221, 0.2666 by changing the saturation by 10% instead.


 22.6486, 0.5221,
0.2666


 22.6486, 0.5221,
0.2666


265.9150, 0.4063,
0.3044


 14.3343, 0.5540,
0.2549


 47.8157, 0.4776,
0.2820

 8.3535, 0.5961,
0.2387


 65.4372, 0.4616,
0.2872


 4.3220, 0.6534,
0.2150

 86.9299, 0.4484,
0.2915

 1.8553, 0.7327,
0.1789

 112.6782, 0.4372,
0.2950

 0.5213, 0.8818,
0.1182

 143.0664, 0.4277,
0.2979

 0.0000, 1.0000,
0.0000

178.4791, 0.4196,

 0.0000, 0.0000,

0.3004

0.0000

219.3004, 0.4125,
0.3025

■ 22.6486, 0.5221,
0.2666

■ 22.6486, 0.5221,
0.2666

■ 22.3618, 0.5309,
0.2698

■ 23.9639, 0.4942,
0.2590

■ 26.4074, 0.4647,
0.2569

■ 30.1890, 0.4356,
0.2598

■ 35.4746, 0.4085,
0.2668

■ 42.4058, 0.3844,
0.2764

■ 51.1074, 0.3636,
0.2876

■ 61.6925, 0.3461,
0.2992

■ 74.2642, 0.3316,
0.3108

■ 88.9185, 0.3195,
0.3219

Harmonies

Analogous

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



22.6486, 0.3746, 0.1989



22.6486, 0.5221, 0.2666



22.6486, 0.5866, 0.3433

Triad

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



22.6486, 0.5221, 0.2666



22.6486, 0.3286, 0.6069



22.6486, 0.1062, 0.1540

Complementary

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



22.6486, 0.5221, 0.2666



73.7329, 0.2653, 0.4736

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.



22.6486, 0.0991, 0.2162



22.6486, 0.5221, 0.2666



22.6486, 0.2122, 0.5423

Square

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



22.6486, 0.5221, 0.2666



22.6486, 0.4482, 0.5333



22.6486, 0.1299, 0.3550



22.6486, 0.1477, 0.1381

Rectangle

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



22.6486, 0.5221, 0.2666



22.6486, 0.5694, 0.3998



22.6486, 0.1299, 0.3550



22.6486, 0.1002, 0.1683

Sweetspot

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



22.6500, 0.5221, 0.2666



59.1181, 0.3499, 0.2965



13.7060, 0.2174, 0.0981



11.6770, 0.3572, 0.2915



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.



22.6500, 0.5221, 0.2666



22.3687, 0.5309, 0.2698



21.9593, 0.6319, 0.3334



18.1162, 0.3227, 0.3189



11.7166, 0.5267, 0.2675



1.1622, 0.4977, 0.2515

Inverse Universe

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



22.6500, 0.5221, 0.2666



22.3687, 0.5309, 0.2698



68.7276, 0.2193, 0.3084



18.1162, 0.3227, 0.3189



11.7166, 0.5267, 0.2675



1.1622, 0.4977, 0.2515

Previews

White Background



This preview shows how the Yxy color 22.6486, 0.5221, 0.2666 looks on a white background.

Color Contrast Check

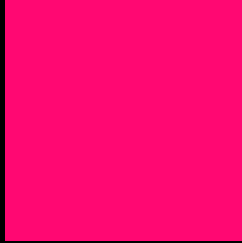
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.6486, 0.5221, 0.2666 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 22.6486, 0.5221, 0.2666

Background



This preview shows how black text looks on a background with the Yxy color 22.6486, 0.5221, 0.2666.



This preview shows how white text looks on a background with the Yxy color 22.6486, 0.5221, 0.2666.

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

22.6486, 0.5221, 0.2666

Protanopia

23.1602, 0.2712, 0.2722

Deuteranopia

23.0280, 0.3742, 0.3688



Tritanopia

22.8389, 0.6017, 0.3304

Trichromacy



Original Color

22.6486, 0.5221, 0.2666



Protanomaly

17.3888, 0.3519, 0.2418



Deuteranomaly

18.4786, 0.4417, 0.2989



Tritanomaly

22.3579, 0.5821, 0.3089

Monochromacy



Original Color

22.6486, 0.5221, 0.2666



Achromatopsia

11.1932, 0.3127, 0.3290



Achromatomaly

11.2669, 0.4100, 0.2676

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.6486, 0.5221, 0.2666 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, 8, 114)` looks like.

```
.text, #text, p{  
  color:rgb(255, 8, 114)  
}
```

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, 8, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 8, 114) }
```

Border

The CSS property to change the border of an element to Yxy 22.6486, 0.5221, 0.2666 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, 8, 114) }
```

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

```
.border{ border-color:rgb(255, 8, 114) }
```

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

Here you see how a box with a 4 pixel rgb(255, 8, 114) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 8, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 8, 114);  
box-shadow:4px 4px 4px 4px rgb(255, 8,  
114) }
```


Background

The CSS property to change the background color of an element to Yxy 22.6486, 0.5221, 0.2666 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 8, 114) }
```

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

```
.background{ background-color: rgb(255, 8,  
114) }
```

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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