

Converting Colors

$Yxy(18.5065, 0.5416, 0.2516)$

Have a look what the booklet for
Yxy(18.5065, 0.5416, 0.2516)
contains.

Yxy(20.8148, 0.5301, 0.2694)	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(20.8148, 0.5301, 0.2694)

Conversions

Conversions Part 1

Format	Color
Hex	F7006A
RGB	247, 0, 106
RGB Percent	97%, 0%, 42%
CMY	0.0314, 0.9995, 0.5844
CMYK	0.00, 1.00, 0.57, 0.03
HSL	334°, 100%, 48%
HSV	334°, 100%, 97%
XYZ	40.9574, 20.8148, 15.4913
YIQ	85.9370, 113.1860, 85.3300

Conversions

Conversions Part 2

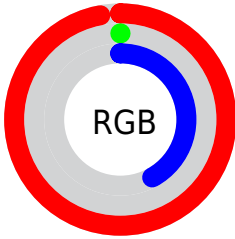
Format	Color
R_{YB}	247, 0, 106
Decimal	16187498
CIE _{Lab}	52.75, 81.34, 14.12
CIE _{LCh}	53, 82.557, 9.847
Yxy	20.8148, 0.5301, 0.2694
Android (android.graphics.Color)	4294377578 (0xFFFF7006A)
YUV	85.9370, 9.8911, 141.2523
Hunter-Lab	45.6232, 80.4044, 11.8044

Details

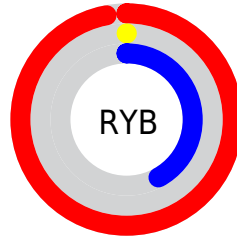
The Yxy color **20.8148, 0.5301, 0.2694** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark saturated rose. A complement of this color would be **68.4456, 0.2663, 0.4787**, and the grayscale version is **9.2676, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.2437, 0.4327, 0.2704**, and **10.3935, 0.5660, 0.2891** is the 20% darker color. If you saturate the color by 10%, you get **20.8120, 0.5302, 0.2695**, and if you desaturate by 10%, it is **21.8191, 0.5029, 0.2607**.

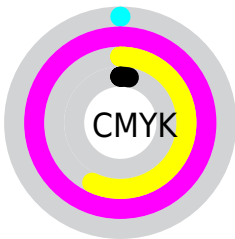
Distribution



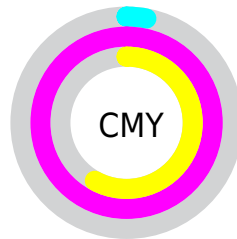
- Red (97%)
- Green (0%)
- Blue (42%)



- Red (97%)
- Yellow (0%)
- Blue (42%)



- Cyan (0%)
- Magenta (100%)
- Yellow (57%)
- Black (3%)




- Cyan (3%)
- Magenta (100%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.8148, 0.5301, 0.2694 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 20.8148, 0.5301, 0.2694 by changing the saturation by 10% instead.


 20.8148, 0.5301,
0.2694


 20.8148, 0.5301,
0.2694


256.2926, 0.4084,
0.3067


 12.9887, 0.5641,
0.2573


 44.7791, 0.4830,
0.2850


 7.4208, 0.6092,
0.2402


 61.6861, 0.4661,
0.2902

 3.7266, 0.6708,
0.2146

 82.3888, 0.4522,
0.2944

 1.5218, 0.7604,
0.1760

 107.2717, 0.4405,
0.2978

 0.3040, 0.9142,
0.0858

 136.7192, 0.4307,
0.3006

 0.0000, 1.0000,
0.0000

 171.1155, 0.4222,

 0.0000, 0.0000,

0.3030

0.0000

210.8452, 0.4148,
0.3050

■ 20.8148, 0.5301,
0.2694

■ 20.8148, 0.5301,
0.2694

■ 20.8120, 0.5302,
0.2695

■ 21.8191, 0.5029,
0.2607

■ 23.7403, 0.4738,
0.2568

■ 26.8479, 0.4444,
0.2583

■ 31.3048, 0.4166,
0.2642

■ 37.2482, 0.3916,
0.2731

■ 44.7980, 0.3698,
0.2839

■ 54.0618, 0.3513,
0.2954

■ 65.1380, 0.3359,
0.3071

■ 78.1172, 0.3232,
0.3184

Harmonies

Analogous

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



20.8148, 0.3829, 0.2006



20.8148, 0.5301, 0.2694



20.8148, 0.5893, 0.3466

Triad

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



20.8148, 0.5301, 0.2694



20.8148, 0.3220, 0.6110



20.8148, 0.1059, 0.1509

Complementary

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



20.8148, 0.5301, 0.2694



68.4456, 0.2663, 0.4787

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.



20.8148, 0.0971, 0.2103



20.8148, 0.5301, 0.2694



20.8148, 0.2057, 0.5374

Square

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



20.8148, 0.5301, 0.2694



20.8148, 0.4430, 0.5396



20.8148, 0.1256, 0.3461



20.8148, 0.1494, 0.1367

Rectangle

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



20.8148, 0.5301, 0.2694



20.8148, 0.5685, 0.4038



20.8148, 0.1256, 0.3461



20.8148, 0.0994, 0.1644

Sweetspot

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



20.8161, 0.5301, 0.2694



58.0186, 0.3515, 0.2953



12.2945, 0.2143, 0.0954



11.4701, 0.3589, 0.2904



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.



20.8161, 0.5301, 0.2694



22.3717, 0.5306, 0.2697



20.1613, 0.6364, 0.3328



16.6005, 0.3226, 0.3189



11.0345, 0.5261, 0.2672



0.9900, 0.4942, 0.2496

Inverse Universe

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



20.8161, 0.5301, 0.2694



22.3717, 0.5306, 0.2697



63.6082, 0.2188, 0.3077



16.6005, 0.3226, 0.3189



11.0345, 0.5261, 0.2672



0.9900, 0.4942, 0.2496

Previews

White Background



This preview shows how the Yxy color 20.8148, 0.5301, 0.2694 looks on a white background.

Color Contrast Check

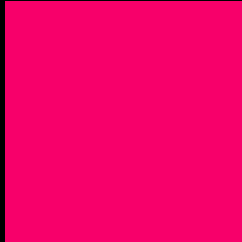
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.8148, 0.5301, 0.2694 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 20.8148, 0.5301, 0.2694

Background



This preview shows how black text looks on a background with the Yxy color 20.8148, 0.5301, 0.2694.

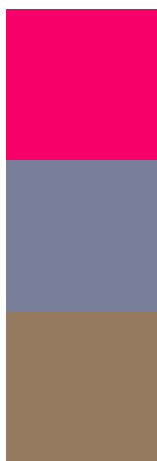


This preview shows how white text looks on a background with the Yxy color 20.8148, 0.5301, 0.2694.

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

20.8148, 0.5301, 0.2694

Protanopia

21.3198, 0.2784, 0.2803

Deuteranopia

21.2476, 0.3803, 0.3733



Tritanopia

21.2285, 0.6051, 0.3304

Trichromacy



Original Color

20.8148, 0.5301, 0.2694



Protanomaly

15.7590, 0.3612, 0.2441



Deuteranomaly

16.6832, 0.4496, 0.2997



Tritanomaly

20.7584, 0.5870, 0.3096

Monochromacy



Original Color

20.8148, 0.5301, 0.2694



Achromatopsia

9.3059, 0.3127, 0.3290



Achromatomaly

9.5424, 0.4176, 0.2653

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.8148, 0.5301, 0.2694 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(247, 0, 106)` looks like.

```
.text, #text, p{  
    color:rgb(247, 0, 106)  
}
```

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(247, 0, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 0, 106) }
```

Border

The CSS property to change the border of an element to Yxy 20.8148, 0.5301, 0.2694 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(247, 0, 106) }
```

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

```
.border{ border-color:rgb(247, 0, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 0, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 0, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 0, 106);  
box-shadow:4px 4px 4px 4px rgb(247, 0,  
106) }
```


Background

The CSS property to change the background color of an element to Yxy 20.8148, 0.5301, 0.2694 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 0, 106) }
```

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

```
.background{ background-color: rgb(247, 0,  
106) }
```

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