

Converting Colors

Yxy(20.9364, 0.5686, 0.2906)

Have a look what the booklet for
Yxy(20.9364, 0.5686, 0.2906)
contains.

Yxy(20.9485, 0.5692, 0.2909)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(20.9485, 0.5692, 0.2909)

Conversions

Conversions Part 1

Format	Color
Hex	FA0053
RGB	250, 0, 83
RGB Percent	98%, 0%, 33%
CMY	0.0196, 1.0000, 0.6744
CMYK	0.00, 1.00, 0.67, 0.02
HSL	340°, 100%, 49%
HSV	340°, 100%, 98%
XYZ	40.9896, 20.9485, 10.0746
YIQ	84.2120, 122.3570, 78.8130

Conversions

Conversions Part 2

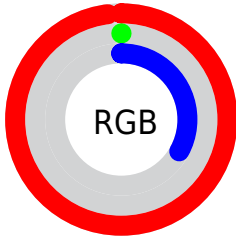
Format	Color
R_{YB}	250, 0, 83
Decimal	16384083
CIE _{Lab}	52.89, 80.81, 28.32
CIE _{LCh}	53, 85.626, 19.315
Yxy	20.9485, 0.5692, 0.2909
Android (android.graphics.Color)	4294574163 (0xFFFA0053)
YUV	84.2120, -0.5975, 145.3961
Hunter-Lab	45.7695, 79.7619, 18.9880

Details

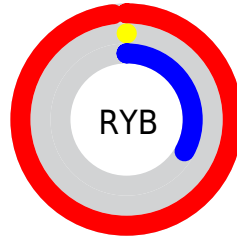
The Yxy color **20.9485, 0.5692, 0.2909** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark saturated red. A complement of this color would be **71.1662, 0.2566, 0.4436**, and the grayscale version is **8.8954, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.4753, 0.4667, 0.2957**, and **10.4608, 0.6046, 0.3104** is the 20% darker color. If you saturate the color by 10%, you get **20.9509, 0.5692, 0.2909**, and if you desaturate by 10%, it is **21.9361, 0.5392, 0.2812**.

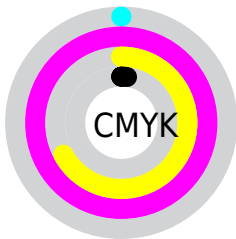
Distribution



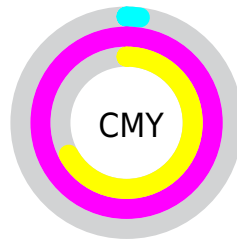
- Red (98%)
- Green (0%)
- Blue (33%)



- Red (98%)
- Yellow (0%)
- Blue (33%)



- Cyan (0%)
- Magenta (100%)
- Yellow (67%)
- Black (2%)




- Cyan (2%)
- Magenta (100%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.9485, 0.5692, 0.2909 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 20.9485, 0.5692, 0.2909 by changing the saturation by 10% instead.


 20.9485, 0.5692,
0.2909


 20.9485, 0.5692,
0.2909


257.0047, 0.4266,
0.3212


 13.0864, 0.6073,
0.2789


 45.0018, 0.5149,
0.3051

 7.4880, 0.6561,
0.2607


 61.9618, 0.4951,
0.3095


 3.7691, 0.7194,
0.2325

 82.7231, 0.4787,
0.3128

 1.5453, 0.8099,
0.1901

 107.6703, 0.4650,
0.3153

 0.3203, 0.9102,
0.0898

 137.1876, 0.4532,
0.3173

 0.0000, 1.0000,
0.0000

 171.6595, 0.4431,

 0.0000, 0.0000,

0.3189

0.0000

211.4704, 0.4343,
0.3202

■ 20.9485, 0.5692,
0.2909

■ 20.9485, 0.5692,
0.2909

■ 20.9509, 0.5692,
0.2909

■ 21.9361, 0.5392,
0.2812

■ 23.8782, 0.5053,
0.2758

■ 27.0554, 0.4700,
0.2753

■ 31.6373, 0.4363,
0.2790

■ 37.7667, 0.4060,
0.2856

■ 45.5685, 0.3798,
0.2938

■ 55.1547, 0.3578,
0.3028

■ 66.6277, 0.3397,
0.3119

■ 80.0820, 0.3248,
0.3207

Harmonies

Analogous

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



20.9485, 0.4372, 0.2176



20.9485, 0.5692, 0.2909



20.9485, 0.5913, 0.3711

Triad

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



20.9485, 0.5692, 0.2909



20.9485, 0.2806, 0.6190



20.9485, 0.1114, 0.1382

Complementary

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



20.9485, 0.5692, 0.2909



71.1662, 0.2566, 0.4436

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.



20.9485, 0.0919, 0.1806



20.9485, 0.5692, 0.2909



20.9485, 0.1700, 0.4859

Square

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



20.9485, 0.5692, 0.2909



20.9485, 0.4048, 0.5753



20.9485, 0.1067, 0.2911



20.9485, 0.1685, 0.1349

Rectangle

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



20.9485, 0.5692, 0.2909



20.9485, 0.5508, 0.4332



20.9485, 0.1067, 0.2911



20.9485, 0.1013, 0.1471

Sweetspot

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



20.9509, 0.5692, 0.2909



57.6554, 0.3579, 0.3028



15.0827, 0.2369, 0.1079



11.3851, 0.3667, 0.2990



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.



20.9509, 0.5692, 0.2909



21.9111, 0.5694, 0.2911



21.9583, 0.6257, 0.3414



17.3203, 0.3242, 0.3211



11.1358, 0.5649, 0.2886



1.0501, 0.5315, 0.2702

Inverse Universe

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



20.9509, 0.5692, 0.2909



21.9111, 0.5694, 0.2911



52.1812, 0.2094, 0.2739



17.3203, 0.3242, 0.3211



11.1358, 0.5649, 0.2886



1.0501, 0.5315, 0.2702

Previews

White Background



This preview shows how the Yxy color 20.9485, 0.5692, 0.2909 looks on a white background.

Color Contrast Check

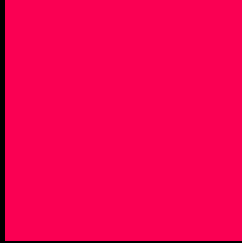
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.9485, 0.5692, 0.2909 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 20.9485, 0.5692, 0.2909

Background



This preview shows how black text looks on a background with the Yxy color 20.9485, 0.5692, 0.2909.

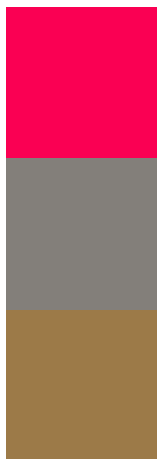


This preview shows how white text looks on a background with the Yxy color 20.9485, 0.5692, 0.2909.

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

20.9485, 0.5692, 0.2909

Protanopia

21.4092, 0.3231, 0.3380

Deuteranopia

21.4549, 0.4167, 0.4093



Tritanopia

21.3725, 0.6188, 0.3318

Trichromacy



Original Color

20.9485, 0.5692, 0.2909



Protanomaly

15.9662, 0.4192, 0.2897



Deuteranomaly

16.9177, 0.4958, 0.3320



Tritanomaly

20.9353, 0.6076, 0.3187

Monochromacy



Original Color

20.9485, 0.5692, 0.2909



Achromatopsia

8.8656, 0.3127, 0.3290



Achromatomaly

9.1156, 0.4372, 0.2772

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.9485, 0.5692, 0.2909 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(250, 0, 83)` looks like.

```
.text, #text, p{  
    color:rgb(250, 0, 83)  
}
```

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(250, 0, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 0, 83) }
```

Border

The CSS property to change the border of an element to Yxy 20.9485, 0.5692, 0.2909 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(250, 0, 83) }
```

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

```
.border{ border-color:rgb(250, 0, 83) }
```

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

Here you see how a box with a 4 pixel rgb(250, 0, 83) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 0, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 0, 83);  
box-shadow:4px 4px 4px 4px rgb(250, 0, 83)  
}
```


Background

The CSS property to change the background color of an element to Yxy 20.9485, 0.5692, 0.2909 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 0, 83) }
```

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

```
.background{ background-color: rgb(250, 0,  
83) }
```

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