

Converting Colors

$Y_{xy}(21.4733, 0.5223, 0.2651)$

Have a look what the booklet for
Yxy(21.4733, 0.5223, 0.2651)
contains.

Yxy(21.4938, 0.5223, 0.2651)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(21.4938, 0.5223, 0.2651)

Conversions

Conversions Part 1

Format	Color
Hex	FA0070
RGB	250, 0, 112
RGB Percent	98%, 0%, 44%
CMY	0.0196, 0.9996, 0.5609
CMYK	0.00, 1.00, 0.55, 0.02
HSL	333°, 100%, 49%
HSV	333°, 100%, 98%
XYZ	42.3471, 21.4938, 17.2372
YIQ	87.5180, 113.0480, 87.8320

Conversions

Conversions Part 2

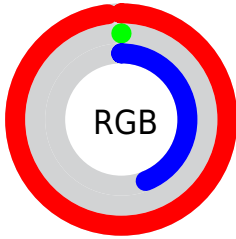
Format	Color
R_{YB}	250, 0, 112
Decimal	16384112
CIE _{Lab}	53.49, 82.38, 11.61
CIE _{LCh}	53, 83.191, 8.022
Yxy	21.4938, 0.5223, 0.2651
Android (android.graphics.Color)	4294574192 (0xFFFA0070)
YUV	87.5180, 12.0696, 142.4967
Hunter-Lab	46.3614, 81.9117, 10.4089

Details

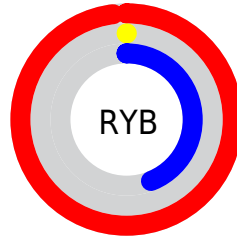
The Yxy color **21.4938, 0.5223, 0.2651** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark saturated rose. A complement of this color would be **70.2094, 0.2682, 0.4856**, and the grayscale version is **9.6172, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.6397, 0.4243, 0.2652**, and **10.8208, 0.5580, 0.2848** is the 20% darker color. If you saturate the color by 10%, you get **21.4914, 0.5224, 0.2651**, and if you desaturate by 10%, it is **22.5241, 0.4959, 0.2566**.

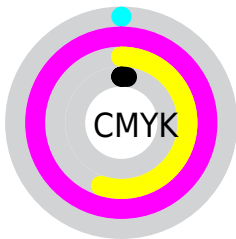
Distribution



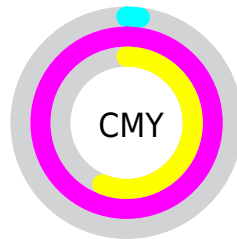
- Red (98%)
- Green (0%)
- Blue (44%)



- Red (98%)
- Yellow (0%)
- Blue (44%)



- Cyan (0%)
- Magenta (100%)
- Yellow (55%)
- Black (2%)





- Cyan (2%)
- Magenta (100%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.4938, 0.5223, 0.2651 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 21.4938, 0.5223, 0.2651 by changing the saturation by 10% instead.


 21.4938, 0.5223,
0.2651


 21.4938, 0.5223,
0.2651


259.8912, 0.4055,
0.3038


 13.4854, 0.5548,
0.2531


 45.9079, 0.4772,
0.2809

 7.7637, 0.5980,
0.2362


 63.0825, 0.4610,
0.2863

 3.9441, 0.6570,
0.2115

 84.0812, 0.4477,
0.2907

 1.6423, 0.7399,
0.1739

 109.2885, 0.4365,
0.2943

 0.3859, 0.9007,
0.0993

 139.0887, 0.4270,
0.2973

 0.0000, 1.0000,
0.0000

 173.8663, 0.4188,

 0.0000, 0.0000,

0.2998

0.0000

214.0057, 0.4117,
0.3019

■ 21.4938, 0.5223,
0.2651

■ 21.4938, 0.5223,
0.2651

■ 21.4914, 0.5224,
0.2651

■ 22.5241, 0.4959,
0.2566

■ 24.4954, 0.4679,
0.2532

■ 27.6835, 0.4397,
0.2550

■ 32.2563, 0.4130,
0.2613

■ 38.3550, 0.3890,
0.2707

■ 46.1029, 0.3680,
0.2819

■ 55.6107, 0.3501,
0.2940

■ 66.9795, 0.3352,
0.3061

■ 80.3027, 0.3229,
0.3179

Harmonies

Analogous

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



21.4938, 0.3730, 0.1973



21.4938, 0.5223, 0.2651



21.4938, 0.5883, 0.3419

Triad

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



21.4938, 0.5223, 0.2651



21.4938, 0.3296, 0.6088



21.4938, 0.1049, 0.1533

Complementary

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



21.4938, 0.5223, 0.2651



70.2094, 0.2682, 0.4856

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.



21.4938, 0.0980, 0.2164



21.4938, 0.5223, 0.2651



21.4938, 0.2125, 0.5463

Square

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



21.4938, 0.5223, 0.2651



21.4938, 0.4499, 0.5330



21.4938, 0.1294, 0.3572



21.4938, 0.1460, 0.1370

Rectangle

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



21.4938, 0.5223, 0.2651



21.4938, 0.5715, 0.3984



21.4938, 0.1294, 0.3572



21.4938, 0.0990, 0.1678

Sweetspot

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



21.4951, 0.5223, 0.2651



58.0913, 0.3503, 0.2939



12.2691, 0.2107, 0.0935



11.4872, 0.3574, 0.2887



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.



21.4951, 0.5223, 0.2651



22.4783, 0.5227, 0.2653



20.6016, 0.6375, 0.3320



17.3544, 0.3223, 0.3184



11.4280, 0.5184, 0.2629



1.0794, 0.4889, 0.2467

Inverse Universe

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



21.4951, 0.5223, 0.2651



22.4783, 0.5227, 0.2653



67.7628, 0.2203, 0.3131



17.3544, 0.3223, 0.3184



11.4280, 0.5184, 0.2629



1.0794, 0.4889, 0.2467

Previews

White Background



This preview shows how the Yxy color 21.4938, 0.5223, 0.2651 looks on a white background.

Color Contrast Check

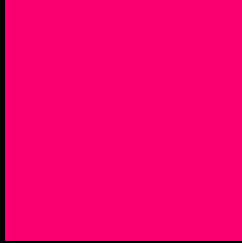
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.4938, 0.5223, 0.2651 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 21.4938, 0.5223, 0.2651

Background



This preview shows how black text looks on a background with the Yxy color 21.4938, 0.5223, 0.2651.



This preview shows how white text looks on a background with the Yxy color 21.4938, 0.5223, 0.2651.

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

21.4938, 0.5223, 0.2651

Protanopia

22.1476, 0.2705, 0.2697

Deuteranopia

21.9539, 0.3731, 0.3662



Tritanopia

21.8328, 0.6015, 0.3304

Trichromacy



Original Color

21.4938, 0.5223, 0.2651



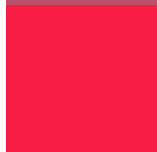
Protanomaly

16.2233, 0.3517, 0.2365



Deuteranomaly

17.1974, 0.4412, 0.2931



Tritanomaly

21.2649, 0.5821, 0.3077

Monochromacy



Original Color

21.4938, 0.5223, 0.2651



Achromatopsia

9.7587, 0.3127, 0.3290



Achromatomaly

9.8945, 0.4118, 0.2611

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.4938, 0.5223, 0.2651 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, 112)` looks like.

```
.text, #text, p{  
    color:rgb(250, 0, 112)  
}
```

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, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 0, 112) }
```

Border

The CSS property to change the border of an element to Yxy 21.4938, 0.5223, 0.2651 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, 112) }
```

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

```
.border{ border-color:rgb(250, 0, 112) }
```

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, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 0, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 0, 112);  
box-shadow:4px 4px 4px 4px rgb(250, 0,  
112) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 21.4938, 0.5223, 0.2651$ 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, 112) }
```

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

```
.background{ background-color: rgb(250, 0,  
112) }
```

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