

Converting Colors

$Y_{xy}(21.6209, 0.5363, 0.2728)$

Have a look what the booklet for
Yxy(21.6209, 0.5363, 0.2728)
contains.

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Color

Yxy(21.6949, 0.5372, 0.2733)

Conversions

Conversions Part 1

Format	Color
Hex	FC0068
RGB	252, 0, 104
RGB Percent	99%, 0%, 41%
CMY	0.0118, 0.9997, 0.5921
CMYK	0.00, 1.00, 0.59, 0.01
HSL	335°, 100%, 49%
HSV	335°, 100%, 99%
XYZ	42.6436, 21.6949, 15.0427
YIQ	87.2040, 116.8080, 85.7680

Conversions

Conversions Part 2

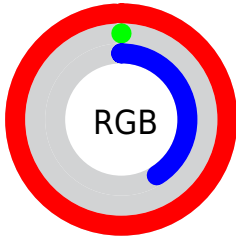
Format	Color
RYB	252, 0, 104
Decimal	16515176
CIELab	53.70, 82.33, 16.78
CIELCh	54, 84.028, 11.522
Yxy	21.6949, 0.5372, 0.2733
Android (android.graphics.Color)	4294705256 (0xFFFC0068)
YUV	87.2040, 8.2804, 144.5261
Hunter-Lab	46.5778, 81.9120, 13.4562

Details

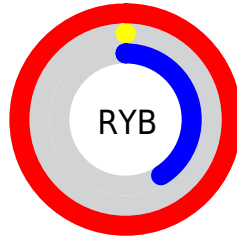
The Yxy color **21.6949, 0.5372, 0.2733** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark saturated rose. A complement of this color would be **71.7584, 0.2647, 0.4731**, and the grayscale version is **9.5497, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.3619, 0.4351, 0.2733**, and **10.8703, 0.5728, 0.2929** is the 20% darker color. If you saturate the color by 10%, you get **21.6938, 0.5373, 0.2733**, and if you desaturate by 10%, it is **22.7293, 0.5094, 0.2642**.

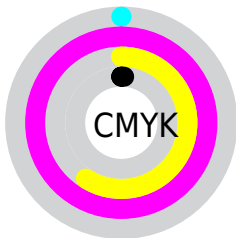
Distribution



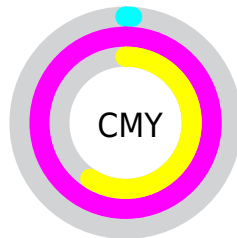
- Red (99%)
- Green (0%)
- Blue (41%)



- Red (99%)
- Yellow (0%)
- Blue (41%)



- Cyan (0%)
- Magenta (100%)
- Yellow (59%)
- Black (1%)





- Cyan (1%)
- Magenta (100%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.6949, 0.5372, 0.2733 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 21.6949, 0.5372, 0.2733 by changing the saturation by 10% instead.


 21.6949, 0.5372,
0.2733


 21.6949, 0.5372,
0.2733


260.9488, 0.4123,
0.3091


 13.6329, 0.5716,
0.2615

 46.2412, 0.4891,
0.2884

 7.8658, 0.6169,
0.2446

 63.4943, 0.4718,
0.2934


 4.0092, 0.6778,
0.2195

 84.5799, 0.4575,
0.2974

 1.6787, 0.7664,
0.1818

 109.8823, 0.4455,
0.3006

 0.4098, 0.8967,
0.1033

 139.7861, 0.4353,
0.3033

 0.0000, 1.0000,
0.0000

 174.6754, 0.4266,

 0.0000, 0.0000,

0.3055

0.0000

214.9349, 0.4190,
0.3074

■ 21.6949, 0.5372,
0.2733

■ 21.6949, 0.5372,
0.2733

■ 21.6938, 0.5373,
0.2733


■ 22.7293, 0.5094,
0.2642


■ 24.7272, 0.4793,
0.2600


■ 27.9700, 0.4489,
0.2611

■ 32.6294, 0.4201,
0.2666

■ 38.8498, 0.3941,
0.2751

 46.7575, 0.3716,
0.2855

 56.4656, 0.3525,
0.2966

 68.0776, 0.3366,
0.3079

 81.6890, 0.3235,
0.3187

Harmonies

Analogous

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



21.6949, 0.3921, 0.2037



21.6949, 0.5372, 0.2733



21.6949, 0.5901, 0.3509

Triad

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



21.6949, 0.5372, 0.2733



21.6949, 0.3149, 0.6129



21.6949, 0.1069, 0.1486

Complementary

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



21.6949, 0.5372, 0.2733



71.7584, 0.2647, 0.4731

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.



21.6949, 0.0962, 0.2048



21.6949, 0.5372, 0.2733



21.6949, 0.1994, 0.5290

Square

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



21.6949, 0.5372, 0.2733



21.6949, 0.4364, 0.5456



21.6949, 0.1222, 0.3361



21.6949, 0.1527, 0.1364

Rectangle

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



21.6949, 0.5372, 0.2733



21.6949, 0.5657, 0.4088



21.6949, 0.1222, 0.3361



21.6949, 0.0998, 0.1612

Sweetspot

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



21.6962, 0.5372, 0.2733



57.9566, 0.3526, 0.2966



13.2352, 0.2178, 0.0974



11.4555, 0.3602, 0.2918



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.



21.6962, 0.5372, 0.2733



22.2845, 0.5374, 0.2734



21.2336, 0.6353, 0.3338



17.3440, 0.3229, 0.3193



11.3286, 0.5330, 0.2710



1.0697, 0.5019, 0.2539

Inverse Universe

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



21.6962, 0.5372, 0.2733



22.2845, 0.5374, 0.2734



64.1817, 0.2173, 0.3022



17.3440, 0.3229, 0.3193



11.3286, 0.5330, 0.2710



1.0697, 0.5019, 0.2539

Previews

White Background



This preview shows how the Yxy color 21.6949, 0.5372, 0.2733 looks on a white background.

Color Contrast Check

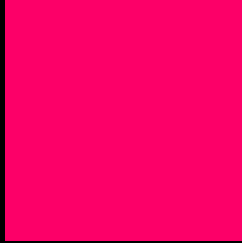
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.6949, 0.5372, 0.2733 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 21.6949, 0.5372, 0.2733

Background



This preview shows how black text looks on a background with the Yxy color 21.6949, 0.5372, 0.2733.

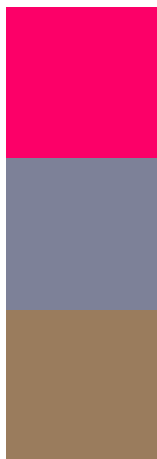


This preview shows how white text looks on a background with the Yxy color 21.6949, 0.5372, 0.2733.

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

21.6949, 0.5372, 0.2733

Protanopia

22.3275, 0.2848, 0.2894

Deuteranopia

22.0756, 0.3880, 0.3805



Tritanopia

22.1331, 0.6073, 0.3308

Trichromacy



Original Color

21.6949, 0.5372, 0.2733



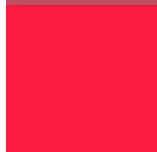
Protanomaly

16.4418, 0.3695, 0.2512



Deuteranomaly

17.4022, 0.4604, 0.3060



Tritanomaly

21.6520, 0.5915, 0.3118

Monochromacy



Original Color

21.6949, 0.5372, 0.2733



Achromatopsia

9.5307, 0.3127, 0.3290



Achromatomaly

9.7257, 0.4210, 0.2663

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.6949, 0.5372, 0.2733 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(252, 0, 104)` looks like.

```
.text, #text, p{  
    color:rgb(252, 0, 104)  
}
```

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(252, 0, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 0, 104) }
```

Border

The CSS property to change the border of an element to Yxy 21.6949, 0.5372, 0.2733 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(252, 0, 104) }
```

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

```
.border{ border-color:rgb(252, 0, 104) }
```

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

Here you see how a box with a 4 pixel rgb(252, 0, 104) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 0, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 0, 104);  
box-shadow:4px 4px 4px 4px rgb(252, 0,  
104) }
```


Background

The CSS property to change the background color of an element to Yxy 21.6949, 0.5372, 0.2733 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 0, 104) }
```

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

```
.background{ background-color: rgb(252, 0,  
104) }
```

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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