

Converting Colors

$Y_{xy}(21.7022, 0.5439, 0.2770)$

Have a look what the booklet for
Yxy(21.7022, 0.5439, 0.2770)
contains.

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Color

Yxy(21.6155, 0.5438, 0.2769)

Conversions

Conversions Part 1

Format	Color
Hex	FC0064
RGB	252, 0, 100
RGB Percent	99%, 0%, 39%
CMY	0.0117, 1.0000, 0.6078
CMYK	0.00, 1.00, 0.60, 0.01
HSL	336°, 100%, 49%
HSV	336°, 100%, 99%
XYZ	42.4504, 21.6155, 13.9966
YIQ	86.7480, 118.0920, 84.5240

Conversions

Conversions Part 2

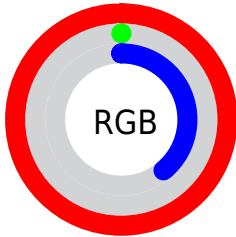
Format	Color
R_{YB}	252, 0, 100
Decimal	16515172
CIE _{Lab}	53.62, 82.12, 19.09
CIE _{LCh}	54, 84.313, 13.087
Yxy	21.6155, 0.5438, 0.2769
Android (android.graphics.Color)	4294705252 (0xFFFC0064)
YUV	86.7480, 6.5332, 144.9260
Hunter-Lab	46.4925, 81.6192, 14.6954

Details

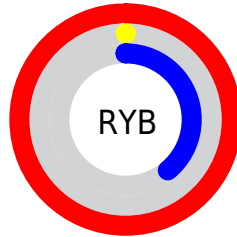
The Yxy color **21.6155, 0.5438, 0.2769** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark saturated rose. A complement of this color would be **71.8977, 0.2632, 0.4674**, and the grayscale version is **9.4420, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.1974, 0.4418, 0.2783**, and **10.8311, 0.5804, 0.2971** is the 20% darker color. If you saturate the color by 10%, you get **21.6189, 0.5438, 0.2769**, and if you desaturate by 10%, it is **22.6452, 0.5154, 0.2676**.

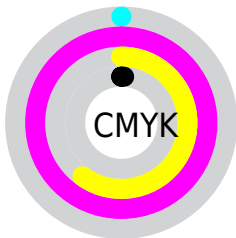
Distribution



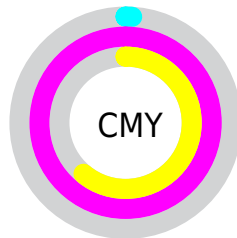
- Red (99%)
- Green (0%)
- Blue (39%)



- Red (99%)
- Yellow (0%)
- Blue (39%)



- Cyan (0%)
- Magenta (100%)
- Yellow (60%)
- Black (1%)





- Cyan (1%)
- Magenta (100%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.6155, 0.5438, 0.2769 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 21.6155, 0.5438, 0.2769 by changing the saturation by 10% instead.


 21.6155, 0.5438,
0.2769


 21.6155, 0.5438,
0.2769


260.5317, 0.4152,
0.3115


 13.5746, 0.5790,
0.2651


 46.1097, 0.4944,
0.2917

 7.8254, 0.6252,
0.2481


 63.3318, 0.4766,
0.2966


 3.9834, 0.6869,
0.2225

 84.3831, 0.4619,
0.3005

 1.6643, 0.7808,
0.1851

 109.6480, 0.4495,
0.3035

 0.4004, 0.8979,
0.1021

 139.5110, 0.4390,
0.3061

 0.0000, 1.0000,
0.0000

 174.3563, 0.4299,

 0.0000, 0.0000,

0.3082

0.0000

214.5684, 0.4221,
0.3100

■ 21.6155, 0.5438,
0.2769

■ 21.6155, 0.5438,
0.2769

■ 21.6189, 0.5438,
0.2769

■ 22.6452, 0.5154,
0.2676

■ 24.6373, 0.4845,
0.2631

■ 27.8765, 0.4531,
0.2639

■ 32.5351, 0.4233,
0.2690

■ 38.7575, 0.3965,
0.2771

■ 46.6704, 0.3732,
0.2871

■ 56.3872, 0.3536,
0.2978

■ 68.0115, 0.3372,
0.3086

■ 81.6389, 0.3238,
0.3191

Harmonies

Analogous

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



21.6155, 0.4008, 0.2065



21.6155, 0.5438, 0.2769



21.6155, 0.5906, 0.3550

Triad

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



21.6155, 0.5438, 0.2769



21.6155, 0.3082, 0.6145



21.6155, 0.1078, 0.1465

Complementary

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



21.6155, 0.5438, 0.2769



71.8977, 0.2632, 0.4674

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.



21.6155, 0.0953, 0.1998



21.6155, 0.5438, 0.2769



21.6155, 0.1935, 0.5208

Square

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



21.6155, 0.5438, 0.2769



21.6155, 0.4302, 0.5514



21.6155, 0.1190, 0.3268



21.6155, 0.1557, 0.1361

Rectangle

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



21.6155, 0.5438, 0.2769



21.6155, 0.5629, 0.4136



21.6155, 0.1190, 0.3268



21.6155, 0.1001, 0.1583

Sweetspot

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



21.6189, 0.5438, 0.2769



57.8967, 0.3536, 0.2978



13.6287, 0.2215, 0.0994



11.4415, 0.3615, 0.2932



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.



21.6189, 0.5438, 0.2769



22.2036, 0.5439, 0.2770



21.4024, 0.6338, 0.3349



17.3393, 0.3231, 0.3196



11.2870, 0.5395, 0.2745



1.0656, 0.5078, 0.2571

Inverse Universe

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



21.6189, 0.5438, 0.2769



22.2036, 0.5439, 0.2770



61.8660, 0.2157, 0.2967



17.3393, 0.3231, 0.3196



11.2870, 0.5395, 0.2745



1.0656, 0.5078, 0.2571

Previews

White Background



This preview shows how the Yxy color 21.6155, 0.5438, 0.2769 looks on a white background.

Color Contrast Check

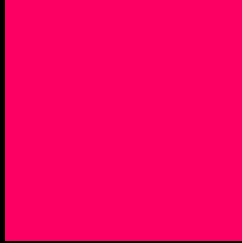
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.6155, 0.5438, 0.2769 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 21.6155, 0.5438, 0.2769

Background



This preview shows how black text looks on a background with the Yxy color 21.6155, 0.5438, 0.2769.

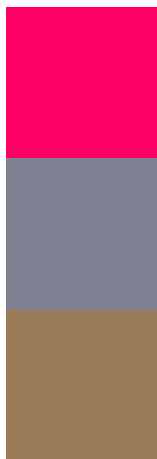


This preview shows how white text looks on a background with the Yxy color 21.6155, 0.5438, 0.2769.

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

21.6155, 0.5438, 0.2769

Protanopia

22.2879, 0.2928, 0.2995

Deuteranopia

22.1051, 0.3941, 0.3867



Tritanopia

21.9815, 0.6099, 0.3308

Trichromacy



Original Color

21.6155, 0.5438, 0.2769



Protanomaly

16.3902, 0.3805, 0.2600



Deuteranomaly

17.3294, 0.4672, 0.3113



Tritanomaly

21.5414, 0.5944, 0.3125

Monochromacy



Original Color

21.6155, 0.5438, 0.2769



Achromatopsia

9.5307, 0.3127, 0.3290



Achromatomaly

9.7081, 0.4231, 0.2680

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.6155, 0.5438, 0.2769 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, 100)` looks like.

```
.text, #text, p{  
    color:rgb(252, 0, 100)  
}
```

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, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 0, 100) }
```

Border

The CSS property to change the border of an element to Yxy 21.6155, 0.5438, 0.2769 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, 100) }
```

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

```
.border{ border-color:rgb(252, 0, 100) }
```

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, 100) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 0, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 0, 100);  
box-shadow:4px 4px 4px 4px rgb(252, 0,  
100) }
```


Background

The CSS property to change the background color of an element to Yxy 21.6155, 0.5438, 0.2769 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, 100) }
```

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

```
.background{ background-color: rgb(252, 0,  
100) }
```

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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