

Converting Colors

$Y_{xy}(21.0376, 0.4500, 0.2428)$

Have a look what the booklet for
Yxy(21.0376, 0.4500, 0.2428)
contains.

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Color

Yxy(21.0529, 0.4506, 0.2435)

Conversions

Conversions Part 1

Format	Color
Hex	E82F8B
RGB	232, 47, 139
RGB Percent	91%, 18%, 55%
CMY	0.0902, 0.8157, 0.4548
CMYK	0.00, 0.80, 0.40, 0.09
HSL	330°, 80%, 55%
HSV	330°, 80%, 91%
XYZ	38.9587, 21.0529, 26.4480
YIQ	112.8030, 80.7280, 67.8320

Conversions

Conversions Part 2

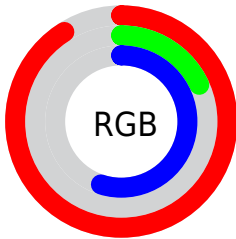
Format	Color
R_{YB}	232, 47, 139
Decimal	15216523
CIE _{Lab}	53.01, 73.97, -5.81
CIE _{LCh}	53, 74.197, 355.509
Yxy	21.0529, 0.4506, 0.2435
Android (android.graphics.Color)	4293406603 (0xFFE82F8B)
YUV	112.8030, 12.9151, 104.5358
Hunter-Lab	45.8834, 71.2646, -2.0573

Details

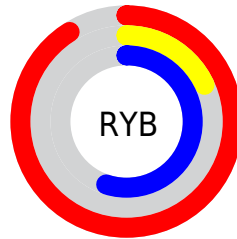
The Yxy color **21.0529, 0.4506, 0.2435** is a dark color, and the websafe version is hex **FF3399**. The color can be described as middle washed rose. A complement of this color would be **60.2132, 0.2683, 0.4647**, and the grayscale version is **16.3948, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.8760, 0.3840, 0.2499**, and **9.3792, 0.4861, 0.2452** is the 20% darker color. If you saturate the color by 10%, you get **19.3435, 0.4756, 0.2456**, and if you desaturate by 10%, it is **23.7854, 0.4258, 0.2467**.

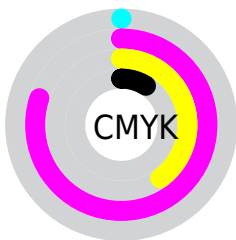
Distribution



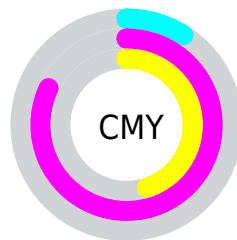
- Red (91%)
- Green (18%)
- Blue (55%)



- Red (91%)
- Yellow (18%)
- Blue (55%)



- Cyan (0%)
- Magenta (80%)
- Yellow (40%)
- Black (9%)





- Cyan (9%)
- Magenta (82%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.0529, 0.4506, 0.2435 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 21.0529, 0.4506, 0.2435 by changing the saturation by 10% instead.


 21.0529, 0.4506,
0.2435


 21.0529, 0.4506,
0.2435


257.5595, 0.3744,
0.2897


 13.1627, 0.4721,
0.2309


 45.1756, 0.4211,
0.2611


 7.5407, 0.5011,
0.2142


 62.1768, 0.4106,
0.2674

 3.8025, 0.5422,
0.1911

 82.9838, 0.4019,
0.2727

 1.5637, 0.6038,
0.1576

 107.9810, 0.3946,
0.2772

 0.3329, 0.7234,
0.0836

 137.5528, 0.3885,
0.2810

 0.0000, 1.0000,
0.0000

172.0835, 0.3831,

 0.0000, 0.0000,

0.2843

0.0000

211.9576, 0.3785,
0.2871

■ 21.0529, 0.4506,
0.2435

■ 21.0529, 0.4506,
0.2435

■ 19.3435, 0.4756,
0.2456

■ 23.7854, 0.4258,
0.2467

■ 18.4239, 0.4995,
0.2527


■ 27.6755, 0.4023,
0.2543


■ 18.4042, 0.5001,
0.2529


■ 32.8409, 0.3810,
0.2649


■ 39.3836, 0.3624,
0.2774

■ 47.3951, 0.3464,
0.2906

 56.9592, 0.3330,
0.3040

 68.1533, 0.3218,
0.3170

 81.0493, 0.3125,
0.3293

 95.2061, 0.3049,
0.3400

Harmonies

Analogous

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



21.0529, 0.3105, 0.1865



21.0529, 0.4506, 0.2435



21.0529, 0.5507, 0.3151

Triad

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



21.0529, 0.4506, 0.2435



21.0529, 0.3825, 0.5660



21.0529, 0.1119, 0.1859

Complementary

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



21.0529, 0.4506, 0.2435



60.2132, 0.2683, 0.4647

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.



21.0529, 0.1207, 0.2729



21.0529, 0.4506, 0.2435



21.0529, 0.2690, 0.5646

Square

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



21.0529, 0.4506, 0.2435



21.0529, 0.4875, 0.4840



21.0529, 0.1723, 0.4273



21.0529, 0.1370, 0.1529

Rectangle

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



21.0529, 0.4506, 0.2435



21.0529, 0.5651, 0.3666



21.0529, 0.1723, 0.4273



21.0529, 0.1108, 0.2075

Sweetspot

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



21.0541, 0.4506, 0.2435



65.1497, 0.3386, 0.2982



13.3908, 0.2244, 0.1142



13.0541, 0.3435, 0.2934



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.



21.0541, 0.4506, 0.2435



23.1469, 0.4918, 0.2501



19.3943, 0.5920, 0.3298



14.4870, 0.3215, 0.3174



10.2421, 0.4965, 0.2509



0.7756, 0.4640, 0.2330

Inverse Universe

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



21.0541, 0.4506, 0.2435



23.1469, 0.4918, 0.2501



64.1473, 0.2286, 0.3288



14.4870, 0.3215, 0.3174



10.2421, 0.4965, 0.2509



0.7756, 0.4640, 0.2330

Previews

White Background



This preview shows how the Yxy color 21.0529, 0.4506, 0.2435 looks on a white background.

Color Contrast Check

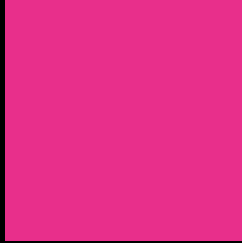
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.0529, 0.4506, 0.2435 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

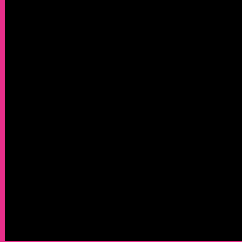
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 21.0529, 0.4506, 0.2435

Background



This preview shows how black text looks on a background with the Yxy color 21.0529, 0.4506, 0.2435.



This preview shows how white text looks on a background with the Yxy color 21.0529, 0.4506, 0.2435.

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

21.0529, 0.4506, 0.2435

Protanopia

21.4055, 0.2365, 0.2254

Deuteranopia

21.1809, 0.3230, 0.3169



Tritanopia

21.0832, 0.5461, 0.3271

Trichromacy



Original Color

21.0529, 0.4506, 0.2435

Protanomaly

18.1651, 0.2944, 0.2176

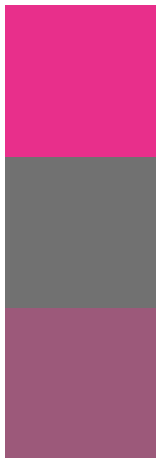
Deuteranomaly

18.6485, 0.3702, 0.2725

Tritanomaly

20.7343, 0.5153, 0.2964

Monochromacy



Original Color

21.0529, 0.4506, 0.2435

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

15.6178, 0.3665, 0.2752

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.0529, 0.4506, 0.2435 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(232, 47, 139)` looks like.

```
.text, #text, p{  
    color:rgb(232, 47, 139)  
}
```

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(232, 47, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 47, 139) }
```

Border

The CSS property to change the border of an element to Yxy 21.0529, 0.4506, 0.2435 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(232, 47, 139) }
```

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

```
.border{ border-color:rgb(232, 47, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 47, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 47, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 47, 139);  
box-shadow:4px 4px 4px 4px rgb(232, 47,  
139) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 21.0529, 0.4506, 0.2435$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 47, 139) }
```

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

```
.background{ background-color: rgb(232, 47,  
139) }
```

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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