

Converting Colors

$Yxy(41.5327, 0.3020, 0.4290)$

Have a look what the booklet for
Yxy(41.5327, 0.3020, 0.4290)
contains.

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Color

Yxy(41.6578, 0.3020, 0.4304)

Conversions

Conversions Part 1

Format	Color
Hex	75BD7D
RGB	117, 189, 125
RGB Percent	46%, 74%, 49%
CMY	0.5414, 0.2588, 0.5098
CMYK	0.38, 0.00, 0.34, 0.26
HSL	127°, 35%, 60%
HSV	127°, 38%, 74%
XYZ	29.2301, 41.6578, 25.9006
YIQ	160.1760, -22.3680, -35.1680

Conversions

Conversions Part 2

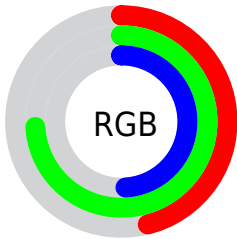
Format	Color
RYB	117, 182, 189
Decimal	7716221
CIELab	70.63, -35.93, 25.45
CIELCh	71, 44.028, 144.690
Yxy	41.6578, 0.3020, 0.4304
Android (android.graphics.Color)	4285906301 (0xFF75BD7D)
YUV	160.1760, -17.3418, -37.8654
Hunter-Lab	64.5429, -32.1110, 21.3873

Details

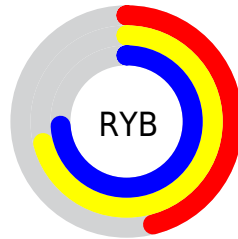
The Yxy color **41.6578, 0.3020, 0.4304** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **26.8663, 0.3257, 0.2452**, and the grayscale version is **35.3242, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.8965, 0.3053, 0.4100**, and **18.9259, 0.2964, 0.4656** is the 20% darker color. If you saturate the color by 10%, you get **40.0870, 0.2996, 0.4626**, and if you desaturate by 10%, it is **43.5689, 0.3047, 0.4000**.

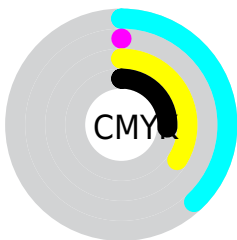
Distribution



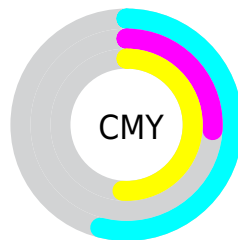
- Red (46%)
- Green (74%)
- Blue (49%)



- Red (46%)
- Yellow (71%)
- Blue (74%)



- Cyan (38%)
- Magenta (0%)
- Yellow (34%)
- Black (26%)




- Cyan (54%)
- Magenta (26%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.6578, 0.3020, 0.4304 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 41.6578, 0.3020, 0.4304 by changing the saturation by 10% instead.


 41.6578, 0.3020,
0.4304

 41.6578, 0.3020,
0.4304

353.0624, 0.3091,
0.3759


 28.8334, 0.2996,
0.4453


 77.6815, 0.3050,
0.4097

 18.9549, 0.2960,
0.4651


 101.6495, 0.3060,
0.4022

 11.6377, 0.2905,
0.4927


 130.1010, 0.3068,
0.3959

 6.4975, 0.2809,
0.5336

163.4202, 0.3074,
0.3907

 3.1499, 0.2635,
0.6014

201.9915, 0.3080,
0.3862

 1.2105, 0.1666,
0.8334

246.1994, 0.3084,

 0.0702, 0.0000,

0.3823

1.0000

296.4283, 0.3087,
0.3789

■ 0.0000, 0.0000,
0.0000

■ 41.6578, 0.3020,
0.4304

■ 41.6578, 0.3020,
0.4304

■ 40.0870, 0.2996,
0.4626

■ 43.5689, 0.3047,
0.4000

■ 38.8316, 0.2976,
0.4951

■ 45.8332, 0.3076,
0.3721

■ 37.8717, 0.2964,
0.5261


■ 48.4692, 0.3105,
0.3471


■ 37.1828, 0.2960,
0.5535


■ 51.4925, 0.3132,
0.3251

■ 36.7365, 0.2966,
0.5752

■ 54.9179, 0.3158,
0.3059

 36.4903, 0.2977,
0.5899

 58.7596, 0.3183,
0.2893

 36.4550, 0.2978,
0.5920

 63.0307, 0.3205,
0.2750

 64.8805, 0.3157,
0.2644

Harmonies

Analogous

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



41.6578, 0.3640, 0.4456



41.6578, 0.3020, 0.4304



41.6578, 0.2461, 0.3766

Triad

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



41.6578, 0.3020, 0.4304



41.6578, 0.2151, 0.2339



41.6578, 0.4265, 0.3307

Complementary

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



41.6578, 0.3020, 0.4304



26.8663, 0.3257, 0.2452

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.



41.6578, 0.3782, 0.2852



41.6578, 0.3020, 0.4304



41.6578, 0.2543, 0.2317

Square

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



41.6578, 0.3020, 0.4304



41.6578, 0.1999, 0.2599



41.6578, 0.3132, 0.2502



41.6578, 0.4395, 0.3795

Rectangle

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



41.6578, 0.3020, 0.4304



41.6578, 0.2194, 0.3319



41.6578, 0.3132, 0.2502



41.6578, 0.4137, 0.3148

Sweetspot

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



41.6595, 0.3020, 0.4304



85.2836, 0.3096, 0.3544



47.6051, 0.3626, 0.4246



18.2000, 0.3092, 0.3577



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



41.6595, 0.3020, 0.4304



72.1420, 0.2999, 0.4580



42.7236, 0.2785, 0.3731



10.6665, 0.3101, 0.3500



24.5304, 0.2974, 0.5908



0.9667, 0.2891, 0.5609

Inverse Universe

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



26.8663, 0.3257, 0.2452



41.7702, 0.3293, 0.2275



25.5998, 0.3676, 0.2894



9.6774, 0.3154, 0.3089



9.1859, 0.3508, 0.1706



0.3651, 0.3428, 0.1662

Previews

White Background



This preview shows how the Yxy color 41.6578, 0.3020, 0.4304 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 41.6578, 0.3020, 0.4304 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

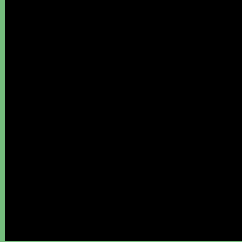
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.6578, 0.3020, 0.4304

Background



This preview shows how black text looks on a background with the Yxy color 41.6578, 0.3020, 0.4304.



This preview shows how white text looks on a background with the Yxy color 41.6578, 0.3020, 0.4304.

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

41.6578, 0.3020, 0.4304

Protanopia

41.2522, 0.3730, 0.4020

Deuteranopia

41.0785, 0.3812, 0.3742



Tritanopia

41.4079, 0.2638, 0.3074

Trichromacy



Original Color

41.6578, 0.3020, 0.4304

Protanomaly

40.7983, 0.3440, 0.4120

Deuteranomaly

40.4885, 0.3490, 0.3944

Tritanomaly

41.2049, 0.2773, 0.3484

Monochromacy



Original Color

41.6578, 0.3020, 0.4304

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

37.1617, 0.3083, 0.3657

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.6578, 0.3020, 0.4304 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(117, 189, 125)` looks like.

```
.text, #text, p{  
    color:rgb(117, 189, 125)  
}
```

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(117, 189, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 189, 125) }
```

Border

The CSS property to change the border of an element to Yxy 41.6578, 0.3020, 0.4304 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(117, 189, 125) }
```

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

```
.border{ border-color:rgb(117, 189, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 189, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 189, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 189, 125);  
box-shadow:4px 4px 4px 4px rgb(117, 189,  
125) }
```


Background

The CSS property to change the background color of an element to Yxy 41.6578, 0.3020, 0.4304 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 189, 125) }
```

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

```
.background{ background-color: rgb(117,  
189, 125) }
```

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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