

Converting Colors

$Y_{xy}(40.8975, 0.2783, 0.3923)$

Have a look what the booklet for
Yxy(40.8975, 0.2783, 0.3923)
contains.

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Color

Yxy(41.1078, 0.2785, 0.3927)

Conversions

Conversions Part 1

Format	Color
Hex	69BC94
RGB	105, 188, 148
RGB Percent	41%, 74%, 58%
CMY	0.5883, 0.2627, 0.4196
CMYK	0.44, 0.00, 0.21, 0.26
HSL	151°, 38%, 57%
HSV	151°, 44%, 74%
XYZ	29.1534, 41.1078, 34.4188
YIQ	158.6230, -36.6280, -30.0360

Conversions

Conversions Part 2

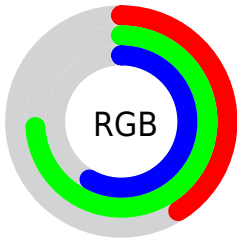
Format	Color
RYB	105, 160, 188
Decimal	6929556
CIELab	70.25, -34.57, 12.47
CIELCh	70, 36.753, 160.170
Yxy	41.1078, 0.2785, 0.3927
Android (android.graphics.Color)	4285119636 (0xFF69BC94)
YUV	158.6230, -5.2371, -47.0274
Hunter-Lab	64.1154, -31.0377, 13.0524

Details

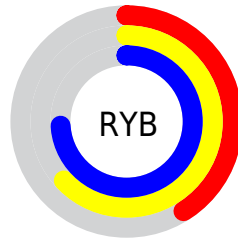
The Yxy color **41.1078, 0.2785, 0.3927** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **22.8360, 0.3710, 0.2742**, and the grayscale version is **34.5263, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.0427, 0.2854, 0.3804**, and **18.5914, 0.2675, 0.4145** is the 20% darker color. If you saturate the color by 10%, you get **39.8186, 0.2731, 0.4104**, and if you desaturate by 10%, it is **42.6744, 0.2851, 0.3760**.

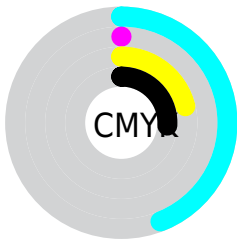
Distribution



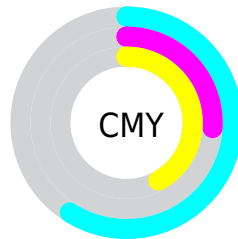
- Red (41%)
- Green (74%)
- Blue (58%)



- Red (41%)
- Yellow (63%)
- Blue (74%)



- Cyan (44%)
- Magenta (0%)
- Yellow (21%)
- Black (26%)





- Cyan (59%)
- Magenta (26%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.1078, 0.2785, 0.3927 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 41.1078, 0.2785, 0.3927 by changing the saturation by 10% instead.


 41.1078, 0.2785,
0.3927


 41.1078, 0.2785,
0.3927


350.7710, 0.2966,
0.3588


 28.4033, 0.2736,
0.4019


 76.8475, 0.2853,
0.3799

 18.6299, 0.2672,
0.4141


 100.6515, 0.2878,
0.3752

 11.4032, 0.2583,
0.4311


 128.9242, 0.2899,
0.3714

 6.3387, 0.2450,
0.4565

 162.0499, 0.2916,
0.3681

 3.0521, 0.2236,
0.4982

200.4130, 0.2931,
0.3653

 1.1590, 0.1335,
0.6594

244.3980, 0.2944,

 0.0278, 0.0000,

0.3628

1.0000

294.3892, 0.2956,
0.3607

■ 0.0000, 0.0000,
0.0000

■ 41.1078, 0.2785,
0.3927

■ 41.1078, 0.2785,
0.3927

■ 39.8186, 0.2731,
0.4104

■ 42.6744, 0.2851,
0.3760

■ 38.7845, 0.2693,
0.4289

■ 44.5292, 0.2926,
0.3606

■ 37.9878, 0.2673,
0.4478


■ 46.6883, 0.3007,
0.3465


■ 37.4064, 0.2672,
0.4665

■ 49.1652, 0.3092,
0.3339

■ 37.0134, 0.2691,
0.4845


■ 51.9726, 0.3177,
0.3226

 36.8398, 0.2708,
0.4947

 55.1225, 0.3262,
0.3126

 58.6263, 0.3346,
0.3037

 62.4207, 0.3424,
0.2960

 62.9151, 0.3351,
0.2871

Harmonies

Analogous

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



41.1078, 0.3303, 0.4235



41.1078, 0.2785, 0.3927



41.1078, 0.2381, 0.3405

Triad

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



41.1078, 0.2785, 0.3927



41.1078, 0.2446, 0.2443



41.1078, 0.4180, 0.3535

Complementary

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



41.1078, 0.2785, 0.3927



22.8360, 0.3710, 0.2742

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.



41.1078, 0.3914, 0.3117



41.1078, 0.2785, 0.3927



41.1078, 0.2879, 0.2517

Square

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



41.1078, 0.2785, 0.3927



41.1078, 0.2202, 0.2566



41.1078, 0.3421, 0.2757



41.1078, 0.4129, 0.3935

Rectangle

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



41.1078, 0.2785, 0.3927



41.1078, 0.2221, 0.3054



41.1078, 0.3421, 0.2757



41.1078, 0.4125, 0.3393

Sweetspot

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



41.1095, 0.2785, 0.3927



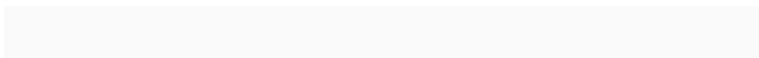
85.0098, 0.3015, 0.3453



43.0182, 0.3385, 0.4518



18.0817, 0.2997, 0.3482



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.



41.1095, 0.2785, 0.3927



72.2221, 0.2733, 0.4099



42.0137, 0.2535, 0.3268



10.7300, 0.3047, 0.3403



25.0961, 0.2702, 0.4926



0.9962, 0.2583, 0.4497

Inverse Universe

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



22.8360, 0.3710, 0.2742



34.8475, 0.3904, 0.2631



22.0960, 0.4270, 0.3313



9.6109, 0.3215, 0.3180



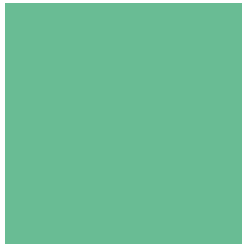
7.8033, 0.5011, 0.2534



0.3189, 0.4468, 0.2235

Previews

White Background



This preview shows how the Yxy color 41.1078, 0.2785, 0.3927 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 41.1078, 0.2785, 0.3927 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

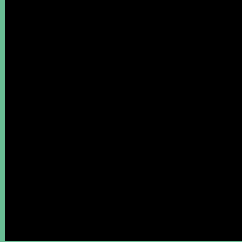
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.1078, 0.2785, 0.3927

Background



This preview shows how black text looks on a background with the Yxy color 41.1078, 0.2785, 0.3927.



This preview shows how white text looks on a background with the Yxy color 41.1078, 0.2785, 0.3927.

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

41.1078, 0.2785, 0.3927

Protanopia

40.4373, 0.3503, 0.3718

Deuteranopia

40.6795, 0.3515, 0.3449



Tritanopia

40.8152, 0.2544, 0.3070

Trichromacy



Original Color

41.1078, 0.2785, 0.3927



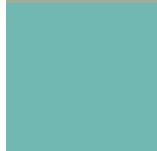
Protanomaly

40.1696, 0.3199, 0.3808



Deuteranomaly

39.8029, 0.3211, 0.3608



Tritanomaly

41.0464, 0.2630, 0.3364

Monochromacy



Original Color

41.1078, 0.2785, 0.3927



Achromatopsia

34.6704, 0.3127, 0.3290



Achromatomaly

36.6050, 0.2975, 0.3520

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.1078, 0.2785, 0.3927 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(105, 188, 148)` looks like.

```
.text, #text, p{  
    color:rgb(105, 188, 148)  
}
```

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(105, 188, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 188, 148) }
```

Border

The CSS property to change the border of an element to Yxy 41.1078, 0.2785, 0.3927 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(105, 188, 148) }
```

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

```
.border{ border-color:rgb(105, 188, 148) }
```

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

Here you see how a box with a 4 pixel rgb(105, 188, 148) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 188, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 188, 148);  
box-shadow:4px 4px 4px 4px rgb(105, 188,  
148) }
```


Background

The CSS property to change the background color of an element to Yxy 41.1078, 0.2785, 0.3927 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 188, 148) }
```

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

```
.background{ background-color: rgb(105,  
188, 148) }
```

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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