

Converting Colors

$Y_{xy}(41.1740, 0.2675, 0.4020)$

Have a look what the booklet for
Yxy(41.1740, 0.2675, 0.4020)
contains.

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Color

Yxy(41.1759, 0.2678, 0.4027)

Conversions

Conversions Part 1

Format	Color
Hex	53BF92
RGB	83, 191, 146
RGB Percent	33%, 75%, 57%
CMY	0.6747, 0.2509, 0.4275
CMYK	0.57, 0.00, 0.24, 0.25
HSL	155°, 46%, 54%
HSV	155°, 57%, 75%
XYZ	27.3824, 41.1759, 33.6912
YIQ	153.5780, -49.9230, -36.8910

Conversions

Conversions Part 2

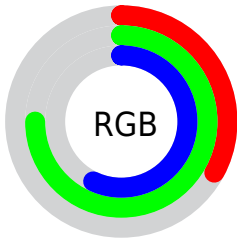
Format	Color
RYB	83, 151, 191
Decimal	5488530
CIELab	70.30, -41.75, 13.52
CIElCh	70, 43.883, 162.060
Yxy	41.1759, 0.2678, 0.4027
Android (android.graphics.Color)	4283678610 (0xFF53BF92)
YUV	153.5780, -3.7360, -61.8969
Hunter-Lab	64.1685, -36.1240, 13.7881

Details

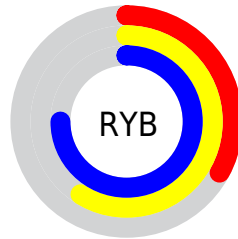
The Yxy color **41.1759, 0.2678, 0.4027** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **18.8161, 0.4077, 0.2694**, and the grayscale version is **32.1491, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.9677, 0.2769, 0.3877**, and **18.7498, 0.2535, 0.4292** is the 20% darker color. If you saturate the color by 10%, you get **40.1865, 0.2639, 0.4187**, and if you desaturate by 10%, it is **42.4251, 0.2734, 0.3873**.

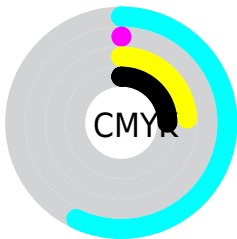
Distribution



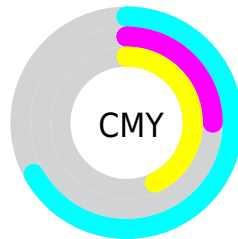
- Red (33%)
- Green (75%)
- Blue (57%)



- Red (33%)
- Yellow (59%)
- Blue (75%)



- Cyan (57%)
- Magenta (0%)
- Yellow (24%)
- Black (25%)





- Cyan (67%)
- Magenta (25%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.1759, 0.2678, 0.4027 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 41.1759, 0.2678, 0.4027 by changing the saturation by 10% instead.


 41.1759, 0.2678,
0.4027

 41.1759, 0.2678,
0.4027


351.0552, 0.2915,
0.3633


 28.4566, 0.2615,
0.4134


 76.9508, 0.2767,
0.3878


 18.6701, 0.2531,
0.4277


 100.7752, 0.2800,
0.3824

 11.4321, 0.2415,
0.4477


 129.0701, 0.2827,
0.3779

 6.3583, 0.2245,
0.4775

 162.2198, 0.2850,
0.3741

 3.0641, 0.1972,
0.5265

200.6088, 0.2870,
0.3708

 1.1653, 0.0423,
0.7635

244.6214, 0.2887,

 0.0331, 0.0000,

0.3680

1.0000

294.6421, 0.2902,
0.3655

0.0000, 0.0000,
0.0000

41.1759, 0.2678,
0.4027

41.1759, 0.2678,
0.4027

40.1865, 0.2639,
0.4187

42.4251, 0.2734,
0.3873

39.4314, 0.2618,
0.4349

43.9474, 0.2804,
0.3728

38.8884, 0.2618,
0.4510

45.7609, 0.2884,
0.3593

38.5261, 0.2636,
0.4668

47.8809, 0.2972,
0.3469

38.4224, 0.2645,
0.4721

50.3215, 0.3065,
0.3357

■ 53.0958, 0.3160,
0.3257

■ 56.2163, 0.3255,
0.3167

■ 59.6948, 0.3349,
0.3088

■ 63.5426, 0.3441,
0.3019

Harmonies

Analogous

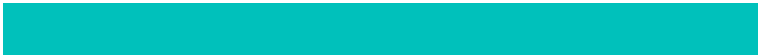
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



41.1759, 0.3283, 0.4422



41.1759, 0.2678, 0.4027



41.1759, 0.2222, 0.3377

Triad

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



41.1759, 0.2678, 0.4027



41.1759, 0.2350, 0.2298



41.1759, 0.4390, 0.3590

Complementary

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



41.1759, 0.2678, 0.4027



18.8161, 0.4077, 0.2694

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.



41.1759, 0.4098, 0.3107



41.1759, 0.2678, 0.4027



41.1759, 0.2866, 0.2400

Square

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



41.1759, 0.2678, 0.4027



41.1759, 0.2056, 0.2417



41.1759, 0.3514, 0.2687



41.1759, 0.4295, 0.4060

Rectangle

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



41.1759, 0.2678, 0.4027



41.1759, 0.2052, 0.2961



41.1759, 0.3514, 0.2687



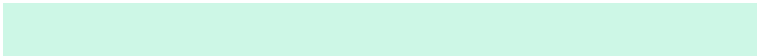
41.1759, 0.4335, 0.3427

Sweetspot

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



41.1776, 0.2678, 0.4027



85.4612, 0.2966, 0.3478



42.6180, 0.3382, 0.4908



18.5888, 0.2948, 0.3502



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



41.1776, 0.2678, 0.4027



71.5893, 0.2632, 0.4227



39.7995, 0.2400, 0.3177



10.7404, 0.3039, 0.3387



25.2644, 0.2639, 0.4700



1.0024, 0.2534, 0.4324

Inverse Universe

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



18.8161, 0.4077, 0.2694



27.6295, 0.4418, 0.2612



19.0413, 0.4754, 0.3388



9.6005, 0.3225, 0.3195



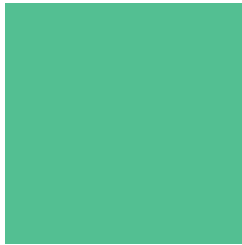
7.6712, 0.5281, 0.2683



0.3136, 0.4666, 0.2344

Previews

White Background



This preview shows how the Yxy color 41.1759, 0.2678, 0.4027 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 41.1759, 0.2678, 0.4027 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 41.1759, 0.2678, 0.4027

Background



This preview shows how black text looks on a background with the Yxy color 41.1759, 0.2678, 0.4027.



This preview shows how white text looks on a background with the Yxy color 41.1759, 0.2678, 0.4027.

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

41.1759, 0.2678, 0.4027

Protanopia

40.3508, 0.3529, 0.3760

Deuteranopia

40.2873, 0.3527, 0.3450



Tritanopia

41.1138, 0.2440, 0.3067

Trichromacy



Original Color

41.1759, 0.2678, 0.4027



Protanomaly

39.7540, 0.3143, 0.3865



Deuteranomaly

39.3441, 0.3146, 0.3644



Tritanomaly

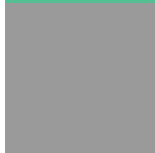
41.2156, 0.2523, 0.3396

Monochromacy



Original Color

41.1759, 0.2678, 0.4027



Achromatopsia

32.3143, 0.3127, 0.3290



Achromatomaly

34.4610, 0.2912, 0.3545

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.1759, 0.2678, 0.4027 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(83, 191, 146)` looks like.

```
.text, #text, p{  
    color:rgb(83, 191, 146)  
}
```

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(83, 191, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 191, 146) }
```

Border

The CSS property to change the border of an element to Yxy 41.1759, 0.2678, 0.4027 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(83, 191, 146) }
```

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

```
.border{ border-color:rgb(83, 191, 146) }
```

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

Here you see how a box with a 4 pixel rgb(83, 191, 146) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 191, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 191, 146);  
box-shadow:4px 4px 4px 4px rgb(83, 191,  
146) }
```


Background

The CSS property to change the background color of an element to Yxy 41.1759, 0.2678, 0.4027 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 191, 146) }
```

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

```
.background{ background-color: rgb(83, 191,  
146) }
```

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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