

Converting Colors

$Yxy(41.7242, 0.2720, 0.4196)$

Have a look what the booklet for
Yxy(41.7242, 0.2720, 0.4196)
contains.

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Color

Yxy(41.7242, 0.2720, 0.4196)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 51C18A |
| RGB | 81, 193, 138 |
| RGB Percent | 32%, 76%, 54% |
| CMY | 0.6825, 0.2431, 0.4589 |
| CMYK | 0.58, 0.00, 0.29, 0.24 |
| HSL | 151°, 47%, 54% |
| HSV | 151°, 58%, 76% |
| XYZ | 27.0471, 41.7242, 30.6667 |
| YIQ | 153.2420, -49.0970, -40.8490 |

Conversions

Conversions Part 2

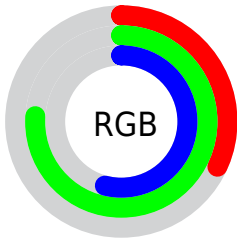
| Format | Color |
|-------------------------------------|---|
| RYB | 81, 155, 193 |
| Decimal | 5357962 |
| CIELab | 70.68, -44.75, 18.35 |
| CIElCh | 71, 48.363, 157.702 |
| Yxy | 41.7242, 0.2720, 0.4196 |
| Android (android.graphics.Color) | 4283548042 (0xFF51C18A) |
| YUV | 153.2420, -7.5143, -63.3562 |
| Hunter-Lab | 64.5943, -38.2978, 17.0675 |

Details

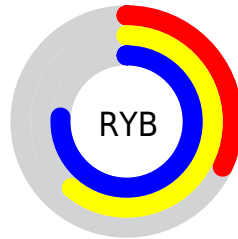
The Yxy color **41.7242, 0.2720, 0.4196** is a dark color, and the websafe version is hex **66CC99**. The color can be described as middle muted spring green. A complement of this color would be **18.9947, 0.3982, 0.2575**, and the grayscale version is **32.0113, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.6660, 0.2801, 0.4003**, and **18.8815, 0.2581, 0.4492** is the 20% darker color. If you saturate the color by 10%, you get **40.7288, 0.2689, 0.4387**, and if you desaturate by 10%, it is **42.9892, 0.2767, 0.4011**.

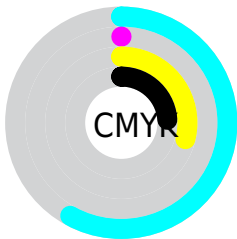
Distribution



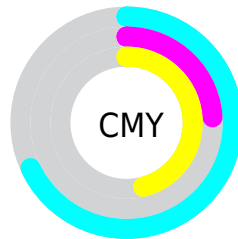
- Red (32%)
- Green (76%)
- Blue (54%)



- Red (32%)
- Yellow (61%)
- Blue (76%)



- Cyan (58%)
- Magenta (0%)
- Yellow (29%)
- Black (24%)




- Cyan (68%)
- Magenta (24%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.7242, 0.2720, 0.4196 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 41.7242, 0.2720, 0.4196 by changing the saturation by 10% instead.


 41.7242, 0.2720,
0.4196


 41.7242, 0.2720,
0.4196


353.3384, 0.2940,
0.3709

 28.8854, 0.2660,
0.4329


 77.7820, 0.2804,
0.4010


 18.9941, 0.2579,
0.4508


 101.7699, 0.2834,
0.3943

 11.6660, 0.2465,
0.4759


 130.2428, 0.2859,
0.3888

 6.5167, 0.2294,
0.5134

 163.5853, 0.2880,
0.3841

 3.1617, 0.2014,
0.5748

202.1817, 0.2898,
0.3801

 1.2167, 0.0251,
0.9713

246.4164, 0.2914,

 0.0753, 0.0000,

0.3766

1.0000

296.6738, 0.2928,
0.3736

■ 0.0000, 0.0000,
0.0000

■ 41.7242, 0.2720,
0.4196

■ 41.7242, 0.2720,
0.4196

■ 40.7288, 0.2689,
0.4387

■ 42.9892, 0.2767,
0.4011

■ 39.9762, 0.2677,
0.4579

■ 44.5379, 0.2828,
0.3836

■ 39.4426, 0.2686,
0.4768

■ 46.3895, 0.2899,
0.3673

■ 39.0895, 0.2712,
0.4948

■ 48.5600, 0.2977,
0.3523

■ 39.0299, 0.2717,
0.4982

■ 51.0642, 0.3059,
0.3388

■ 53.9160, 0.3144,
0.3268

■ 57.1284, 0.3228,
0.3160

■ 60.7139, 0.3311,
0.3066

■ 64.6842, 0.3392,
0.2983

Harmonies

Analogous

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



41.7242, 0.3388, 0.4565



41.7242, 0.2720, 0.4196



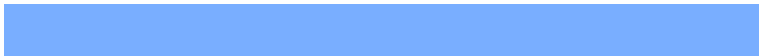
41.7242, 0.2197, 0.3489

Triad

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



41.7242, 0.2720, 0.4196



41.7242, 0.2220, 0.2218



41.7242, 0.4491, 0.3527

Complementary

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



41.7242, 0.2720, 0.4196



18.9947, 0.3982, 0.2575

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.



41.7242, 0.4114, 0.3014



41.7242, 0.2720, 0.4196



41.7242, 0.2745, 0.2298

Square

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



41.7242, 0.2720, 0.4196



41.7242, 0.1943, 0.2377



41.7242, 0.3443, 0.2580



41.7242, 0.4440, 0.4045

Rectangle

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



41.7242, 0.2720, 0.4196



41.7242, 0.1988, 0.3014



41.7242, 0.3443, 0.2580



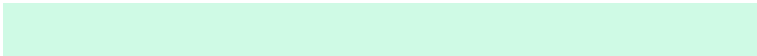
41.7242, 0.4411, 0.3351

Sweetspot

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



41.7259, 0.2720, 0.4196



87.2939, 0.2983, 0.3512



44.0543, 0.3446, 0.4918



18.5466, 0.2967, 0.3541



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.



41.7259, 0.2720, 0.4196



72.4840, 0.2684, 0.4446



43.7420, 0.2412, 0.3288



11.3425, 0.3048, 0.3405



25.9731, 0.2711, 0.4959



1.1361, 0.2599, 0.4555

Inverse Universe

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



18.9947, 0.3982, 0.2575



27.9023, 0.4287, 0.2475



17.8111, 0.4888, 0.3295



10.1585, 0.3214, 0.3177



8.1037, 0.4975, 0.2514



0.3641, 0.4478, 0.2241

Previews

White Background



This preview shows how the Yxy color 41.7242, 0.2720, 0.4196 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 41.7242, 0.2720, 0.4196 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

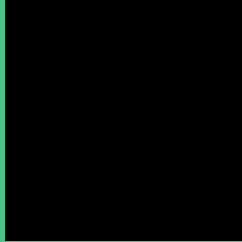
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.7242, 0.2720, 0.4196

Background



This preview shows how black text looks on a background with the Yxy color 41.7242, 0.2720, 0.4196.



This preview shows how white text looks on a background with the Yxy color 41.7242, 0.2720, 0.4196.

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

41.7242, 0.2720, 0.4196

Protanopia

40.8747, 0.3627, 0.3878

Deuteranopia

40.9297, 0.3639, 0.3566



Tritanopia

41.5774, 0.2437, 0.3068

Trichromacy



Original Color

41.7242, 0.2720, 0.4196



Protanomaly

40.1092, 0.3222, 0.3999



Deuteranomaly

39.5815, 0.3220, 0.3778



Tritanomaly

41.4679, 0.2538, 0.3459

Monochromacy



Original Color

41.7242, 0.2720, 0.4196



Achromatopsia

31.8547, 0.3127, 0.3290



Achromatomaly

34.6554, 0.2928, 0.3611

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.7242, 0.2720, 0.4196 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(81, 193, 138)` looks like.

```
.text, #text, p{  
    color:rgb(81, 193, 138)  
}
```

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(81, 193, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 193, 138) }
```

Border

The CSS property to change the border of an element to Yxy 41.7242, 0.2720, 0.4196 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(81, 193, 138) }
```

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

```
.border{ border-color:rgb(81, 193, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 193, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 193, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 193, 138);  
box-shadow:4px 4px 4px 4px rgb(81, 193,  
138) }
```


Background

The CSS property to change the background color of an element to Yxy 41.7242, 0.2720, 0.4196 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 193, 138) }
```

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

```
.background{ background-color: rgb(81, 193,  
138) }
```

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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