

Converting Colors

$Y_{xy}(42.8224, 0.2760, 0.3965)$

Have a look what the booklet for
Yxy(42.8224, 0.2760, 0.3965)
contains.

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Color

Yxy(42.6680, 0.2754, 0.3954)

Conversions

Conversions Part 1

Format	Color
Hex	65C096
RGB	101, 192, 150
RGB Percent	40%, 75%, 59%
CMY	0.6041, 0.2470, 0.4118
CMYK	0.47, 0.00, 0.22, 0.25
HSL	152°, 42%, 57%
HSV	152°, 47%, 75%
XYZ	29.7187, 42.6680, 35.5243
YIQ	160.0030, -40.7540, -32.3540

Conversions

Conversions Part 2

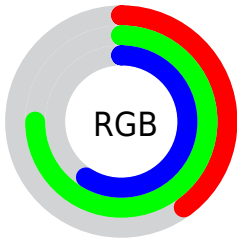
Format	Color
RYB	101, 160, 192
Decimal	6668438
CIELab	71.33, -37.05, 12.88
CIELCh	71, 39.229, 160.828
Yxy	42.6680, 0.2754, 0.3954
Android (android.graphics.Color)	4284858518 (0xFF65C096)
YUV	160.0030, -4.9315, -51.7456
Hunter-Lab	65.3207, -33.1000, 13.4800

Details

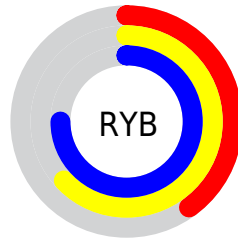
The Yxy color **42.6680, 0.2754, 0.3954** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **22.4908, 0.3800, 0.2726**, and the grayscale version is **35.1897, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.2791, 0.2831, 0.3824**, and **19.5914, 0.2632, 0.4180** is the 20% darker color. If you saturate the color by 10%, you get **41.4136, 0.2703, 0.4126**, and if you desaturate by 10%, it is **44.2063, 0.2818, 0.3791**.

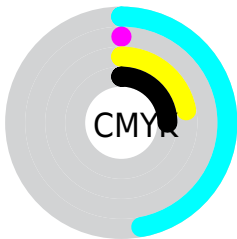
Distribution



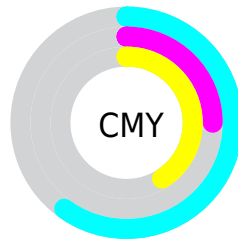
- Red (40%)
- Green (75%)
- Blue (59%)



- Red (40%)
- Yellow (63%)
- Blue (75%)



- Cyan (47%)
- Magenta (0%)
- Yellow (22%)
- Black (25%)




- Cyan (60%)
- Magenta (25%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.6680, 0.2754, 0.3954 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 42.6680, 0.2754, 0.3954 by changing the saturation by 10% instead.


 42.6680, 0.2754,
0.3954

 42.6680, 0.2754,
0.3954


357.2446, 0.2950,
0.3603

 29.6247, 0.2702,
0.4048


 79.2096, 0.2827,
0.3821

 19.5539, 0.2633,
0.4174


 103.4767, 0.2854,
0.3773

 12.0712, 0.2538,
0.4348


 132.2539, 0.2877,
0.3733

 6.7922, 0.2399,
0.4606


 165.9256, 0.2896,
0.3699

 3.3325, 0.2177,
0.5024

204.8761, 0.2912,
0.3670

 1.3077, 0.1396,
0.6347

249.4898, 0.2927,

 0.1471, 0.0000,

0.3644

1.0000

300.1512, 0.2939,
0.3622

0.0000, 0.0000,
0.0000

42.6680, 0.2754,
0.3954

42.6680, 0.2754,
0.3954

41.4136, 0.2703,
0.4126

44.2063, 0.2818,
0.3791

40.4191, 0.2669,
0.4305

46.0403, 0.2893,
0.3639

39.6651, 0.2654,
0.4486


48.1874, 0.2975,
0.3500

39.1269, 0.2658,
0.4664

50.6620, 0.3062,
0.3375

38.7694, 0.2682,
0.4836


53.4777, 0.3150,
0.3262

 38.6905, 0.2689,
0.4879

 56.6472, 0.3239,
0.3162

 60.1827, 0.3326,
0.3074

 64.0958, 0.3411,
0.2996

 64.6610, 0.3345,
0.2910

Harmonies

Analogous

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



42.6680, 0.3297, 0.4287



42.6680, 0.2754, 0.3954



42.6680, 0.2335, 0.3397

Triad

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



42.6680, 0.2754, 0.3954



42.6680, 0.2419, 0.2401



42.6680, 0.4239, 0.3552

Complementary

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



42.6680, 0.2754, 0.3954



22.4908, 0.3800, 0.2726

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.



42.6680, 0.3967, 0.3115



42.6680, 0.2754, 0.3954



42.6680, 0.2877, 0.2484

Square

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



42.6680, 0.2754, 0.3954



42.6680, 0.2160, 0.2523



42.6680, 0.3449, 0.2738



42.6680, 0.4176, 0.3971

Rectangle

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



42.6680, 0.2754, 0.3954



42.6680, 0.2172, 0.3027



42.6680, 0.3449, 0.2738



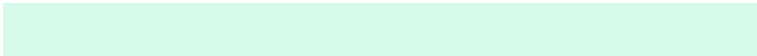
42.6680, 0.4184, 0.3404

Sweetspot

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



42.6697, 0.2754, 0.3954



88.6698, 0.3002, 0.3459



44.5219, 0.3386, 0.4623



18.8215, 0.2984, 0.3487



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.



42.6697, 0.2754, 0.3954



74.9315, 0.2701, 0.4135



42.9547, 0.2497, 0.3243



11.3475, 0.3044, 0.3398



26.0480, 0.2683, 0.4858



1.1393, 0.2576, 0.4473

Inverse Universe

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



22.4908, 0.3800, 0.2726



33.9405, 0.4031, 0.2619



22.0474, 0.4392, 0.3335



10.1535, 0.3218, 0.3184



8.0368, 0.5099, 0.2583



0.3612, 0.4570, 0.2291

Previews

White Background



This preview shows how the Yxy color 42.6680, 0.2754, 0.3954 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 42.6680, 0.2754, 0.3954 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 42.6680, 0.2754, 0.3954

Background



This preview shows how black text looks on a background with the Yxy color 42.6680, 0.2754, 0.3954.

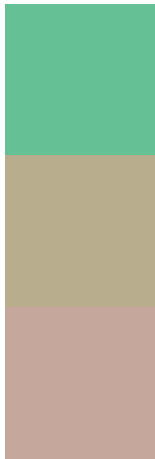


This preview shows how white text looks on a background with the Yxy color 42.6680, 0.2754, 0.3954.

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

42.6680, 0.2754, 0.3954

Protanopia

42.0006, 0.3505, 0.3725

Deuteranopia

41.8743, 0.3520, 0.3447



Tritanopia

42.4455, 0.2512, 0.3072

Trichromacy



Original Color

42.6680, 0.2754, 0.3954



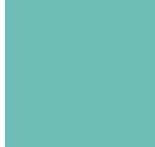
Protanomaly

41.5262, 0.3188, 0.3817



Deuteranomaly

41.0320, 0.3191, 0.3620



Tritanomaly

42.5950, 0.2596, 0.3378

Monochromacy



Original Color

42.6680, 0.2754, 0.3954



Achromatopsia

35.1533, 0.3127, 0.3290



Achromatomaly

37.3943, 0.2968, 0.3534

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.6680, 0.2754, 0.3954 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(101, 192, 150)` looks like.

```
.text, #text, p{  
    color:rgb(101, 192, 150)  
}
```

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(101, 192, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 192, 150) }
```

Border

The CSS property to change the border of an element to Yxy 42.6680, 0.2754, 0.3954 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(101, 192, 150) }
```

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

```
.border{ border-color:rgb(101, 192, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 192, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 192, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 192, 150);  
box-shadow:4px 4px 4px 4px rgb(101, 192,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 42.6680, 0.2754, 0.3954 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 192, 150) }
```

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

```
.background{ background-color: rgb(101,  
192, 150) }
```

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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