

Converting Colors

Yxy(51.4496, 0.2741, 0.3870)

Have a look what the booklet for
Yxy(51.4496, 0.2741, 0.3870)
contains.

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Color

Yxy(51.4496, 0.2741, 0.3870)

Conversions

Conversions Part 1

Format	Color
Hex	71D0A8
RGB	113, 208, 168
RGB Percent	44%, 82%, 66%
CMY	0.5566, 0.1843, 0.3412
CMYK	0.46, 0.00, 0.19, 0.18
HSL	155°, 50%, 63%
HSV	155°, 46%, 82%
XYZ	36.4401, 51.4496, 45.0550
YIQ	175.0350, -43.7800, -32.5800

Conversions

Conversions Part 2

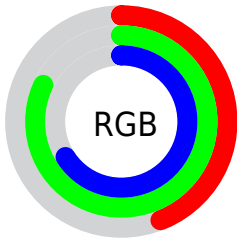
Format	Color
RYB	113, 173, 208
Decimal	7458984
CIELab	76.95, -37.42, 11.22
CIELCh	77, 39.064, 163.303
Yxy	51.4496, 0.2741, 0.3870
Android (android.graphics.Color)	4285649064 (0xFF71D0A8)
YUV	175.0350, -3.4683, -54.4047
Hunter-Lab	71.7284, -34.8414, 12.9679

Details

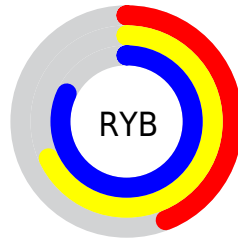
The Yxy color **51.4496, 0.2741, 0.3870** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **27.5372, 0.3817, 0.2790**, and the grayscale version is **42.9333, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.2827, 0.2802, 0.3652**, and **24.8842, 0.2629, 0.4044** is the 20% darker color. If you saturate the color by 10%, you get **49.9099, 0.2684, 0.4026**, and if you desaturate by 10%, it is **53.3317, 0.2812, 0.3723**.

Distribution



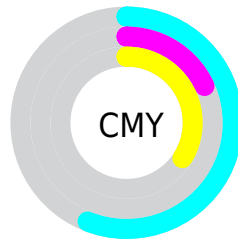
- Red (44%)
- Green (82%)
- Blue (66%)



- Red (44%)
- Yellow (68%)
- Blue (82%)



- Cyan (46%)
- Magenta (0%)
- Yellow (19%)
- Black (18%)




- Cyan (56%)
- Magenta (18%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.4496, 0.2741, 0.3870 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 51.4496, 0.2741, 0.3870 by changing the saturation by 10% instead.

 51.4496, 0.2741,
0.3870

 51.4496, 0.2741,
0.3870


392.3081, 0.2936,
0.3574


 36.5665, 0.2692,
0.3946


 92.3190, 0.2812,
0.3761

 24.8721, 0.2629,
0.4044


 119.0742, 0.2839,
0.3720

 15.9818, 0.2544,
0.4178


 150.5555, 0.2861,
0.3686

 9.5112, 0.2426,
0.4367

187.1473, 0.2880,
0.3657

 5.0761, 0.2248,
0.4656

229.2341, 0.2897,
0.3632

 2.2920, 0.1955,
0.5148

277.2002, 0.2912,

 0.7695, 0.0000,


0.3610


0.9354


331.4301, 0.2924,
0.3591


 0.0000, 0.0000,
0.0000


 51.4496, 0.2741,
0.3870

 51.4496, 0.2741,
0.3870


 49.9099, 0.2684,
0.4026


 53.3317, 0.2812,
0.3723


 48.6839, 0.2644,
0.4188


 55.5701, 0.2893,
0.3586


 47.7487, 0.2622,
0.4353

 58.1856, 0.2981,
0.3461


 47.0752, 0.2621,
0.4517


 61.1953, 0.3074,
0.3348

 46.6275, 0.2640,
0.4677

 64.6155, 0.3169,
0.3247

 46.4740, 0.2652,
0.4746

 68.4615, 0.3264,
0.3157

 72.0456, 0.3330,
0.3076

 72.5486, 0.3267,
0.2991

 73.0766, 0.3205,
0.2907

Harmonies

Analogous

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



51.4496, 0.3247, 0.4205



51.4496, 0.2741, 0.3870



51.4496, 0.2359, 0.3348

Triad

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



51.4496, 0.2741, 0.3870



51.4496, 0.2491, 0.2452



51.4496, 0.4175, 0.3576

Complementary

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



51.4496, 0.2741, 0.3870



27.5372, 0.3817, 0.2790

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.



51.4496, 0.3944, 0.3161



51.4496, 0.2741, 0.3870



51.4496, 0.2936, 0.2544

Square

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



51.4496, 0.2741, 0.3870



51.4496, 0.2229, 0.2553



51.4496, 0.3474, 0.2796



51.4496, 0.4093, 0.3964

Rectangle

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



51.4496, 0.2741, 0.3870



51.4496, 0.2216, 0.3009



51.4496, 0.3474, 0.2796



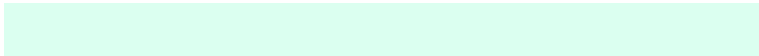
51.4496, 0.4132, 0.3437

Sweetspot

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



51.4517, 0.2741, 0.3870



92.9154, 0.2994, 0.3444



53.1931, 0.3355, 0.4587



19.6784, 0.2975, 0.3470



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



51.4517, 0.2741, 0.3870



79.1292, 0.2684, 0.4026



50.1539, 0.2505, 0.3201



13.3193, 0.3038, 0.3390



28.9865, 0.2645, 0.4724



1.6364, 0.2564, 0.4432

Inverse Universe

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



27.5372, 0.3817, 0.2790



36.5144, 0.4054, 0.2693



27.8917, 0.4311, 0.3373



11.8897, 0.3225, 0.3192



8.8116, 0.5274, 0.2679



0.5084, 0.4804, 0.2420

Previews

White Background



This preview shows how the Yxy color 51.4496, 0.2741, 0.3870 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 51.4496, 0.2741, 0.3870 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

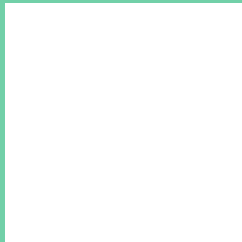
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 51.4496, 0.2741, 0.3870

Background



This preview shows how black text looks on a background with the Yxy color 51.4496, 0.2741, 0.3870.

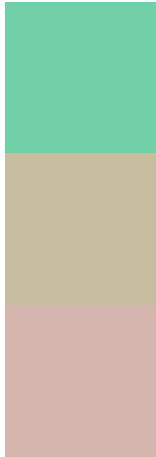


This preview shows how white text looks on a background with the Yxy color 51.4496, 0.2741, 0.3870.

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

51.4496, 0.2741, 0.3870

Protanopia

50.5772, 0.3460, 0.3668

Deuteranopia

50.6580, 0.3464, 0.3387



Tritanopia

51.2187, 0.2523, 0.3075

Trichromacy



Original Color

51.4496, 0.2741, 0.3870



Protanomaly

49.9637, 0.3154, 0.3736



Deuteranomaly

49.5873, 0.3156, 0.3540



Tritanomaly

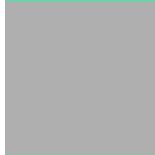
51.3742, 0.2600, 0.3358

Monochromacy



Original Color

51.4496, 0.2741, 0.3870



Achromatopsia

42.8690, 0.3127, 0.3290



Achromatomaly

45.1946, 0.2956, 0.3501

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.4496, 0.2741, 0.3870 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(113, 208, 168)` looks like.

```
.text, #text, p{  
    color:rgb(113, 208, 168)  
}
```

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(113, 208, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 208, 168) }
```

Border

The CSS property to change the border of an element to Yxy 51.4496, 0.2741, 0.3870 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(113, 208, 168) }
```

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

```
.border{ border-color:rgb(113, 208, 168) }
```

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

Here you see how a box with a 4 pixel rgb(113, 208, 168) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 208, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 208, 168);  
box-shadow:4px 4px 4px 4px rgb(113, 208,  
168) }
```


Background

The CSS property to change the background color of an element to Yxy 51.4496, 0.2741, 0.3870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 208, 168) }
```

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

```
.background{ background-color: rgb(113,  
208, 168) }
```

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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