

Converting Colors

Yxy(51.4449, 0.2810, 0.3990)

Have a look what the booklet for
Yxy(51.4449, 0.2810, 0.3990)
contains.

Yxy(51.4317, 0.2810, 0.3989)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(51.4317, 0.2810, 0.3989)

Conversions

Conversions Part 1

Format	Color
Hex	75D0A0
RGB	117, 208, 160
RGB Percent	46%, 82%, 63%
CMY	0.5414, 0.1843, 0.3726
CMYK	0.44, 0.00, 0.23, 0.18
HSL	148°, 49%, 64%
HSV	148°, 44%, 82%
XYZ	36.2304, 51.4317, 41.2717
YIQ	175.3190, -38.8280, -34.2200

Conversions

Conversions Part 2

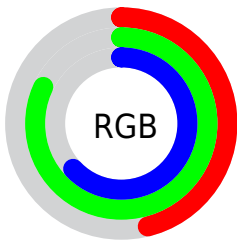
Format	Color
RYB	117, 179, 208
Decimal	7721120
CIELab	76.94, -38.07, 15.50
CIELCh	77, 41.103, 157.847
Yxy	51.4317, 0.2810, 0.3989
Android (android.graphics.Color)	4285911200 (0xFF75D0A0)
YUV	175.3190, -7.5523, -51.1458
Hunter-Lab	71.7159, -35.3258, 16.0804

Details

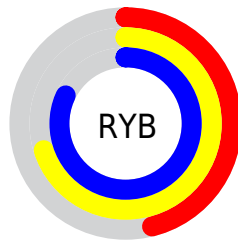
The Yxy color **51.4317, 0.2810, 0.3989** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **28.8356, 0.3657, 0.2693**, and the grayscale version is **43.0921, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.3105, 0.2864, 0.3744**, and **24.8573, 0.2715, 0.4212** is the 20% darker color. If you saturate the color by 10%, you get **49.7833, 0.2760, 0.4186**, and if you desaturate by 10%, it is **53.4382, 0.2872, 0.3804**.

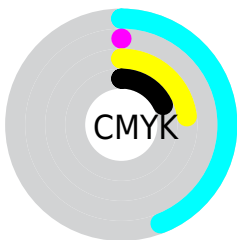
Distribution



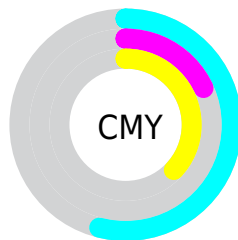
- Red (46%)
- Green (82%)
- Blue (63%)



- Red (46%)
- Yellow (70%)
- Blue (82%)



- Cyan (44%)
- Magenta (0%)
- Yellow (23%)
- Black (18%)





- Cyan (54%)
- Magenta (18%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.4317, 0.2810, 0.3989 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 51.4317, 0.2810, 0.3989 by changing the saturation by 10% instead.


 51.4317, 0.2810,
0.3989

 51.4317, 0.2810,
0.3989

392.2387, 0.2974,
0.3629


 36.5523, 0.2768,
0.4082


 92.2926, 0.2871,
0.3856

 24.8610, 0.2712,
0.4203


 119.0428, 0.2893,
0.3807

 15.9736, 0.2637,
0.4368


 150.5188, 0.2912,
0.3765

 9.5054, 0.2530,
0.4603

187.1050, 0.2928,
0.3730

 5.0723, 0.2365,
0.4964

229.1856, 0.2942,
0.3700

 2.2897, 0.2080,
0.5583

277.1452, 0.2954,

 0.7683, 0.0000,

0.3673

1.0000

331.3681, 0.2964,
0.3650

■ 0.0000, 0.0000,
0.0000

■ 51.4317, 0.2810,
0.3989

■ 51.4317, 0.2810,
0.3989

■ 49.7833, 0.2760,
0.4186

■ 53.4382, 0.2872,
0.3804

■ 48.4644, 0.2725,
0.4391

■ 55.8169, 0.2942,
0.3633

■ 47.4520, 0.2708,
0.4598

■ 58.5886, 0.3018,
0.3478


■ 46.7176, 0.2711,
0.4803

■ 61.7707, 0.3097,
0.3339


■ 46.2264, 0.2733,
0.4997

■ 65.3797, 0.3177,
0.3215

 46.0064, 0.2753,
0.5112

 69.4309, 0.3255,
0.3105

 72.4791, 0.3276,
0.3004

 73.1391, 0.3199,
0.2899

 73.5982, 0.3149,
0.2831

Harmonies

Analogous

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



51.4317, 0.3350, 0.4284



51.4317, 0.2810, 0.3989



51.4317, 0.2379, 0.3453

Triad

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



51.4317, 0.2810, 0.3989



51.4317, 0.2394, 0.2416



51.4317, 0.4210, 0.3506

Complementary

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



51.4317, 0.2810, 0.3989



28.8356, 0.3657, 0.2693

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.



51.4317, 0.3911, 0.3078



51.4317, 0.2810, 0.3989



51.4317, 0.2829, 0.2478

Square

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



51.4317, 0.2810, 0.3989



51.4317, 0.2160, 0.2559



51.4317, 0.3387, 0.2714



51.4317, 0.4181, 0.3925

Rectangle

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



51.4317, 0.2810, 0.3989



51.4317, 0.2203, 0.3083



51.4317, 0.3387, 0.2714



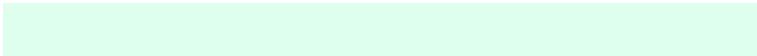
51.4317, 0.4145, 0.3360

Sweetspot

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



51.4338, 0.2810, 0.3989



93.1709, 0.3023, 0.3469



54.4555, 0.3421, 0.4501



19.7186, 0.3006, 0.3502



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.



51.4338, 0.2810, 0.3989



78.9522, 0.2761, 0.4183



53.3026, 0.2555, 0.3330



13.2980, 0.3052, 0.3415



28.6889, 0.2746, 0.5086



1.6201, 0.2649, 0.4737

Inverse Universe

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



28.8356, 0.3657, 0.2693



38.4233, 0.3836, 0.2570



27.4759, 0.4236, 0.3255



11.9109, 0.3209, 0.3168



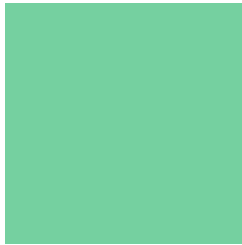
9.0747, 0.4830, 0.2434



0.5234, 0.4453, 0.2227

Previews

White Background



This preview shows how the Yxy color 51.4317, 0.2810, 0.3989 looks on a white background.

Color Contrast Check

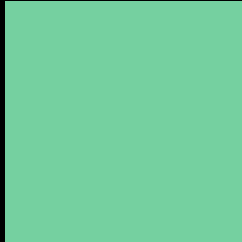
Large Text (above 18pt) WCAG AA × Fail

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 51.4317, 0.2810, 0.3989 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

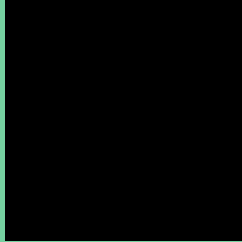
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.4317, 0.2810, 0.3989

Background



This preview shows how black text looks on a background with the Yxy color 51.4317, 0.2810, 0.3989.



This preview shows how white text looks on a background with the Yxy color 51.4317, 0.2810, 0.3989.

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

51.4317, 0.2810, 0.3989

Protanopia

51.0471, 0.3532, 0.3767

Deuteranopia

50.6561, 0.3551, 0.3483



Tritanopia

51.1436, 0.2548, 0.3063

Trichromacy



Original Color

51.4317, 0.2810, 0.3989



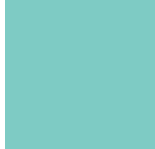
Protanomaly

50.3590, 0.3228, 0.3857



Deuteranomaly

49.5256, 0.3234, 0.3647



Tritanomaly

51.1330, 0.2643, 0.3385

Monochromacy



Original Color

51.4317, 0.2810, 0.3989



Achromatopsia

42.8690, 0.3127, 0.3290



Achromatomaly

45.3130, 0.2986, 0.3528

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.4317, 0.2810, 0.3989 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(117, 208, 160)` looks like.

```
.text, #text, p{  
    color:rgb(117, 208, 160)  
}
```

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(117, 208, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 208, 160) }
```

Border

The CSS property to change the border of an element to Yxy 51.4317, 0.2810, 0.3989 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(117, 208, 160) }
```

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

```
.border{ border-color:rgb(117, 208, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 208, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(117, 208, 160); -webkit-box-shadow:4px 4px 4px 4px rgb(117, 208, 160); box-shadow:4px 4px 4px 4px rgb(117, 208, 160) }
```


Background

The CSS property to change the background color of an element to Yxy 51.4317, 0.2810, 0.3989 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 208, 160) }
```

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

```
.background{ background-color: rgb(117,  
208, 160) }
```

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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