

Converting Colors

$Y_{xy}(51.3496, 0.2688, 0.4729)$

Have a look what the booklet for
Yxy(51.3496, 0.2688, 0.4729)
contains.

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Color

Yxy(51.4894, 0.2688, 0.4728)

Conversions

Conversions Part 1

Format	Color
Hex	23D97E
RGB	35, 217, 126
RGB Percent	14%, 85%, 49%
CMY	0.8627, 0.1490, 0.5058
CMYK	0.84, 0.00, 0.42, 0.15
HSL	150°, 72%, 49%
HSV	150°, 84%, 85%
XYZ	29.2732, 51.4894, 28.1406
YIQ	152.2080, -79.2610, -66.8850

Conversions

Conversions Part 2

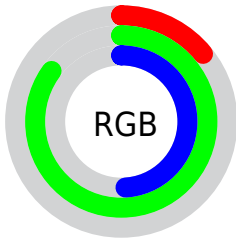
Format	Color
RYB	35, 156, 217
Decimal	2349438
CIELab	76.97, -63.09, 32.91
CIELCh	77, 71.157, 152.456
Yxy	51.4894, 0.2688, 0.4728
Android (android.graphics.Color)	4280539518 (0xFF23D97E)
YUV	152.2080, -12.9205, -102.7914
Hunter-Lab	71.7561, -52.7535, 26.9775

Details

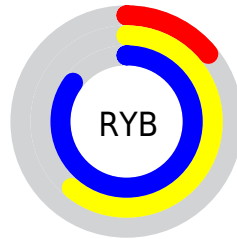
The Yxy color **51.4894, 0.2688, 0.4728** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **17.4615, 0.4593, 0.2431**, and the grayscale version is **31.5803, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.3927, 0.2754, 0.4238**, and **25.9977, 0.2751, 0.5103** is the 20% darker color. If you saturate the color by 10%, you get **50.9567, 0.2709, 0.4915**, and if you desaturate by 10%, it is **52.2909, 0.2686, 0.4533**.

Distribution



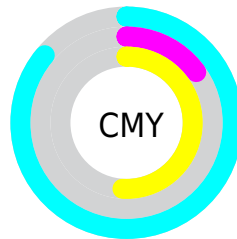
- Red (14%)
- Green (85%)
- Blue (49%)



- Red (14%)
- Yellow (61%)
- Blue (85%)



- Cyan (84%)
- Magenta (0%)
- Yellow (42%)
- Black (15%)





- Cyan (86%)
- Magenta (15%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.4894, 0.2688, 0.4728 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 51.4894, 0.2688, 0.4728 by changing the saturation by 10% instead.

 51.4894, 0.2688,
0.4728

 51.4894, 0.2688,
0.4728


392.4622, 0.2934,
0.3964


 36.5982, 0.2618,
0.4931


 92.3778, 0.2784,
0.4441


 24.8966, 0.2524,
0.5197


 119.1438, 0.2818,
0.4336


 16.0000, 0.2390,
0.5560


 150.6369, 0.2846,
0.4248

 9.5242, 0.2190,
0.6078


 187.2414, 0.2869,
0.4174

 5.0846, 0.1867,
0.6851

 229.3418, 0.2889,
0.4110

 2.2970, 0.0967,
0.9033

277.3225, 0.2906,


 0.7721, 0.0000,


0.4055

1.0000

331.5679, 0.2921,
0.4007


 0.0000, 0.0000,
0.0000


 51.4894, 0.2688,
0.4728


 51.4894, 0.2688,
0.4728


 50.9567, 0.2709,
0.4915


 52.2909, 0.2686,
0.4533


 50.7206, 0.2729,
0.5025

 53.3936, 0.2705,
0.4335


 54.8312, 0.2742,
0.4141

 56.6315, 0.2794,
0.3954

 58.8191, 0.2859,
0.3779

 61.4164, 0.2933,
0.3617

 64.4441, 0.3012,
0.3470

 67.9214, 0.3095,
0.3337

 71.8663, 0.3179,
0.3219

Harmonies

Analogous

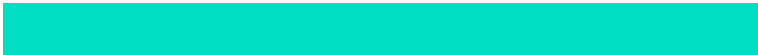
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



51.4894, 0.3572, 0.5076



51.4894, 0.2688, 0.4728



51.4894, 0.1973, 0.3730

Triad

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



51.4894, 0.2688, 0.4728



51.4894, 0.1853, 0.1906



51.4894, 0.4938, 0.3417

Complementary

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



51.4894, 0.2688, 0.4728



17.4615, 0.4593, 0.2431

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.



51.4894, 0.4334, 0.2794



51.4894, 0.2688, 0.4728



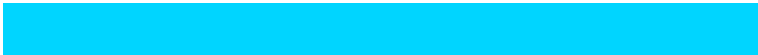
51.4894, 0.2460, 0.1970

Square

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



51.4894, 0.2688, 0.4728



51.4894, 0.1570, 0.2136



51.4894, 0.3365, 0.2283



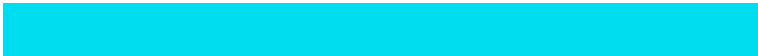
51.4894, 0.4921, 0.4086

Rectangle

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



51.4894, 0.2688, 0.4728



51.4894, 0.1684, 0.3033



51.4894, 0.3365, 0.2283



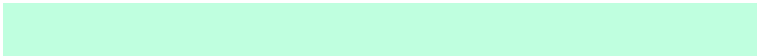
51.4894, 0.4801, 0.3202

Sweetspot

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



51.4915, 0.2688, 0.4728



87.9635, 0.2922, 0.3638



54.1848, 0.3435, 0.5519



18.5352, 0.2895, 0.3695



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.



51.4915, 0.2688, 0.4728



73.0658, 0.2733, 0.5040



54.9944, 0.2273, 0.3287



14.7143, 0.3048, 0.3409



30.7242, 0.2722, 0.4999



2.0079, 0.2639, 0.4701

Inverse Universe

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



17.4615, 0.4593, 0.2431



22.8050, 0.5002, 0.2529



16.0767, 0.6057, 0.3299



13.1596, 0.3214, 0.3174



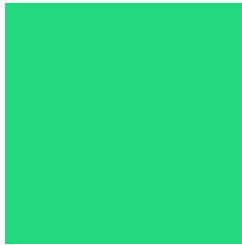
9.6130, 0.4950, 0.2500



0.6402, 0.4590, 0.2302

Previews

White Background



This preview shows how the Yxy color 51.4894, 0.2688, 0.4728 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 51.4894, 0.2688, 0.4728 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

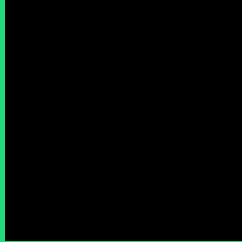
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.4894, 0.2688, 0.4728

Background



This preview shows how black text looks on a background with the Yxy color 51.4894, 0.2688, 0.4728.



This preview shows how white text looks on a background with the Yxy color 51.4894, 0.2688, 0.4728.

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

51.4894, 0.2688, 0.4728

Protanopia

50.3261, 0.3867, 0.4182

Deuteranopia

50.2391, 0.3909, 0.3818



Tritanopia

51.3478, 0.2331, 0.3069

Trichromacy



Original Color

51.4894, 0.2688, 0.4728



Protanomaly

48.1080, 0.3257, 0.4444



Deuteranomaly

46.7744, 0.3268, 0.4160



Tritanomaly

50.8743, 0.2448, 0.3628

Monochromacy



Original Color

51.4894, 0.2688, 0.4728



Achromatopsia

31.3989, 0.3127, 0.3290



Achromatomaly

36.2850, 0.2830, 0.3833

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.4894, 0.2688, 0.4728 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(35, 217, 126)` looks like.

```
.text, #text, p{  
  color:rgb(35, 217, 126)  
}
```

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(35, 217, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 217, 126) }
```

Border

The CSS property to change the border of an element to Yxy 51.4894, 0.2688, 0.4728 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(35, 217, 126) }
```

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

```
.border{ border-color:rgb(35, 217, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(35, 217, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 217, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 217, 126);  
box-shadow:4px 4px 4px 4px rgb(35, 217,  
126) }
```


Background

The CSS property to change the background color of an element to Yxy 51.4894, 0.2688, 0.4728 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 217, 126) }
```

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

```
.background{ background-color: rgb(35, 217,  
126) }
```

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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