

Converting Colors

Yxy(53.4256, 0.2830, 0.4162)

Have a look what the booklet for
Yxy(53.4256, 0.2830, 0.4162)
contains.

Yxy(53.3332, 0.2828, 0.4164)	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(53.3332, 0.2828, 0.4164)

Conversions

Conversions Part 1

Format	Color
Hex	70D599
RGB	112, 213, 153
RGB Percent	44%, 84%, 60%
CMY	0.5610, 0.1647, 0.3999
CMYK	0.47, 0.00, 0.28, 0.16
HSL	144°, 55%, 64%
HSV	144°, 47%, 84%
XYZ	36.2215, 53.3332, 38.5270
YIQ	175.9610, -40.9360, -40.0720

Conversions

Conversions Part 2

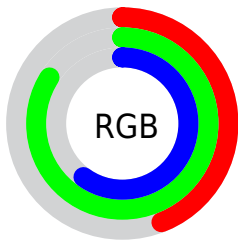
Format	Color
RYB	112, 184, 213
Decimal	7394713
CIELab	78.07, -42.98, 20.73
CIELCh	78, 47.716, 154.246
Yxy	53.3332, 0.2828, 0.4164
Android (android.graphics.Color)	4285584793 (0xFF70D599)
YUV	175.9610, -11.3198, -56.0938
Hunter-Lab	73.0296, -39.2687, 19.8421

Details

The Yxy color **53.3332, 0.2828, 0.4164** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **28.7004, 0.3639, 0.2568**, and the grayscale version is **43.4654, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.5091, 0.2878, 0.3830**, and **26.1973, 0.2731, 0.4431** is the 20% darker color. If you saturate the color by 10%, you get **51.7043, 0.2789, 0.4391**, and if you desaturate by 10%, it is **55.3412, 0.2879, 0.3948**.

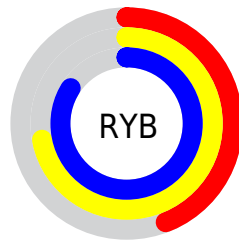
Distribution



Red (44%)

Green (84%)

Blue (60%)



Red (44%)

Yellow (72%)

Blue (84%)

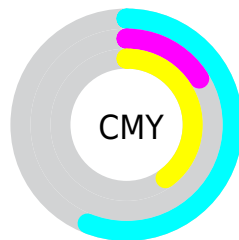


Cyan (47%)

Magenta (0%)

Yellow (28%)

Black (16%)



Cyan (56%)


Magenta (16%)


Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.3332, 0.2828, 0.4164 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 53.3332, 0.2828, 0.4164 by changing the saturation by 10% instead.


 53.3332, 0.2828,
0.4164

 53.3332, 0.2828,
0.4164

399.5622, 0.2986,
0.3713


 38.0688, 0.2786,
0.4281


 95.0945, 0.2887,
0.3997

 26.0361, 0.2731,
0.4433


 122.3602, 0.2909,
0.3935

 16.8507, 0.2654,
0.4639


 154.3951, 0.2927,
0.3883

 10.1281, 0.2543,
0.4932

191.5837, 0.2943,
0.3839

 5.4840, 0.2369,
0.5379

234.3103, 0.2956,
0.3801

 2.5339, 0.2071,
0.6157

282.9593, 0.2967,

 0.8936, 0.0000,

0.3768

1.0000

337.9151, 0.2977,
0.3739

■ 0.0000, 0.0000,
0.0000

■ 53.3332, 0.2828,
0.4164

■ 53.3332, 0.2828,
0.4164

■ 51.7043, 0.2789,
0.4391

■ 55.3412, 0.2879,
0.3948

■ 50.4229, 0.2765,
0.4624

■ 57.7443, 0.2940,
0.3748

■ 49.4629, 0.2760,
0.4855


■ 60.5657, 0.3006,
0.3565

■ 48.7913, 0.2773,
0.5075

■ 63.8246, 0.3075,
0.3401


■ 48.3635, 0.2804,
0.5276


■ 67.5392, 0.3145,
0.3254

 48.2748, 0.2812,
0.5324

 71.7265, 0.3215,
0.3125

 75.2366, 0.3238,
0.3008

 76.0210, 0.3152,
0.2888

 76.0739, 0.3146,
0.2881

Harmonies

Analogous

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



53.3332, 0.3446, 0.4453



53.3332, 0.2828, 0.4164



53.3332, 0.2322, 0.3552

Triad

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



53.3332, 0.2828, 0.4164



53.3332, 0.2252, 0.2309



53.3332, 0.4347, 0.3462

Complementary

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



53.3332, 0.2828, 0.4164



28.7004, 0.3639, 0.2568

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.



53.3332, 0.3964, 0.2989



53.3332, 0.2828, 0.4164



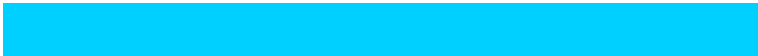
53.3332, 0.2715, 0.2356

Square

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



53.3332, 0.2828, 0.4164



53.3332, 0.2022, 0.2490



53.3332, 0.3342, 0.2599



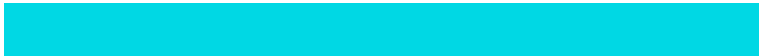
53.3332, 0.4352, 0.3943

Rectangle

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



53.3332, 0.2828, 0.4164



53.3332, 0.2107, 0.3116



53.3332, 0.3342, 0.2599



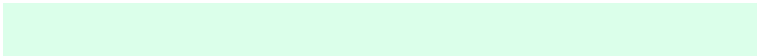
53.3332, 0.4258, 0.3300

Sweetspot

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



53.3354, 0.2828, 0.4164



92.5560, 0.3028, 0.3509



57.5995, 0.3493, 0.4587



19.5910, 0.3013, 0.3546



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.



53.3354, 0.2828, 0.4164



77.6664, 0.2788, 0.4394



55.3423, 0.2553, 0.3426



13.9788, 0.3061, 0.3432



29.5041, 0.2805, 0.5297



1.7957, 0.2708, 0.4948

Inverse Universe

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



28.7004, 0.3639, 0.2568



36.3192, 0.3801, 0.2433



27.1304, 0.4293, 0.3169



12.5433, 0.3199, 0.3152



9.5890, 0.4557, 0.2284



0.5946, 0.4262, 0.2121

Previews

White Background



This preview shows how the Yxy color 53.3332, 0.2828, 0.4164 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 53.3332, 0.2828, 0.4164 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

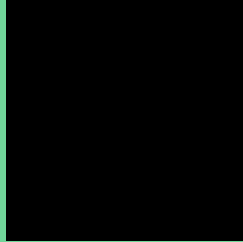
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 53.3332, 0.2828, 0.4164

Background



This preview shows how black text looks on a background with the Yxy color 53.3332, 0.2828, 0.4164.



This preview shows how white text looks on a background with the Yxy color 53.3332, 0.2828, 0.4164.

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

53.3332, 0.2828, 0.4164

Protanopia

52.8043, 0.3632, 0.3893

Deuteranopia

52.3138, 0.3668, 0.3585



Tritanopia

53.0733, 0.2524, 0.3066

Trichromacy



Original Color

53.3332, 0.2828, 0.4164



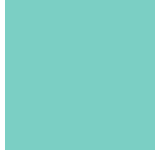
Protanomaly

52.1858, 0.3289, 0.3998



Deuteranomaly

51.4096, 0.3307, 0.3787



Tritanomaly

52.8221, 0.2634, 0.3440

Monochromacy



Original Color

53.3332, 0.2828, 0.4164



Achromatopsia

43.4154, 0.3127, 0.3290



Achromatomaly

45.9946, 0.2993, 0.3585

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.3332, 0.2828, 0.4164 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(112, 213, 153)` looks like.

```
.text, #text, p{  
    color:rgb(112, 213, 153)  
}
```

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(112, 213, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 213, 153) }
```

Border

The CSS property to change the border of an element to Yxy 53.3332, 0.2828, 0.4164 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(112, 213, 153) }
```

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

```
.border{ border-color:rgb(112, 213, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 213, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 213, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 213, 153);  
box-shadow:4px 4px 4px 4px rgb(112, 213,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 53.3332, 0.2828, 0.4164 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 213, 153) }
```

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

```
.background{ background-color: rgb(112,  
213, 153) }
```

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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