

Converting Colors

$Yxy(39.9928, 0.2788, 0.4797)$

Have a look what the booklet for
Yxy(39.9928, 0.2788, 0.4797)
contains.

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Color

Yxy(39.9928, 0.2788, 0.4797)

Conversions

Conversions Part 1

Format	Color
Hex	37C16A
RGB	55, 193, 106
RGB Percent	22%, 76%, 42%
CMY	0.7847, 0.2431, 0.5842
CMYK	0.72, 0.00, 0.45, 0.24
HSL	142°, 56%, 49%
HSV	142°, 72%, 76%
XYZ	23.2437, 39.9928, 20.1340
YIQ	141.8200, -54.3210, -56.3130

Conversions

Conversions Part 2

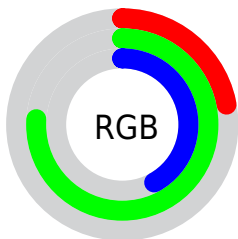
Format	Color
RYB	55, 156, 193
Decimal	3653994
CIELab	69.46, -55.71, 33.41
CIELCh	69, 64.957, 149.047
Yxy	39.9928, 0.2788, 0.4797
Android (android.graphics.Color)	4281844074 (0xFF37C16A)
YUV	141.8200, -17.6593, -76.1411
Hunter-Lab	63.2399, -45.0625, 25.3915

Details

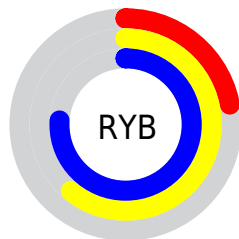
The Yxy color **39.9928, 0.2788, 0.4797** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted spring green. A complement of this color would be **16.0118, 0.3954, 0.2243**, and the grayscale version is **27.0533, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.4561, 0.2878, 0.4485**, and **18.4724, 0.2790, 0.5245** is the 20% darker color. If you saturate the color by 10%, you get **39.3175, 0.2791, 0.5033**, and if you desaturate by 10%, it is **40.9201, 0.2803, 0.4553**.

Distribution



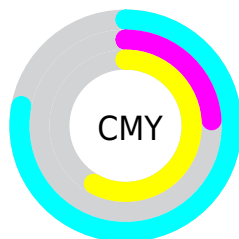
- Red (22%)
- Green (76%)
- Blue (42%)



- Red (22%)
- Yellow (61%)
- Blue (76%)



- Cyan (72%)
- Magenta (0%)
- Yellow (45%)
- Black (24%)





- Cyan (78%)
- Magenta (24%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.9928, 0.2788, 0.4797 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 39.9928, 0.2788, 0.4797 by changing the saturation by 10% instead.


 39.9928, 0.2788,
0.4797


 39.9928, 0.2788,
0.4797


346.0932, 0.2996,
0.3965

 27.5329, 0.2721,
0.5030


 75.1525, 0.2874,
0.4476


 17.9739, 0.2626,
0.5344

 98.6212, 0.2903,
0.4361


 10.9312, 0.2481,
0.5785


 126.5283, 0.2926,
0.4266

 6.0206, 0.2242,
0.6434

 159.2581, 0.2945,
0.4186

 2.8576, 0.1935,
0.8035

 197.1951, 0.2961,
0.4119

 1.0579, 0.0000,
1.0000

240.7237, 0.2974,

 0.0000, 0.0000,

0.4060

0.0000

290.2283, 0.2986,
0.4010

■ 39.9928, 0.2788,
0.4797

■ 39.9928, 0.2788,
0.4797

■ 39.3175, 0.2791,
0.5033

■ 40.9201, 0.2803,
0.4553

■ 38.8614, 0.2811,
0.5252

■ 42.1182, 0.2834,
0.4310

■ 38.6045, 0.2838,
0.5418

■ 43.6096, 0.2877,
0.4077

■ 45.4129, 0.2930,
0.3858

■ 47.5453, 0.2990,
0.3657

■ 50.0225, 0.3053,
0.3476

■ 52.8594, 0.3117,
0.3313

■ 56.0698, 0.3181,
0.3170

■ 59.6670, 0.3244,
0.3044

Harmonies

Analogous

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



39.9928, 0.3671, 0.5052



39.9928, 0.2788, 0.4797



39.9928, 0.2046, 0.3852

Triad

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



39.9928, 0.2788, 0.4797



39.9928, 0.1812, 0.1924



39.9928, 0.4887, 0.3345

Complementary

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



39.9928, 0.2788, 0.4797



16.0118, 0.3954, 0.2243

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.



39.9928, 0.4227, 0.2732



39.9928, 0.2788, 0.4797



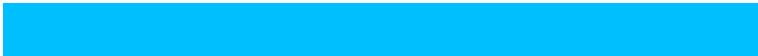
39.9928, 0.2379, 0.1956

Square

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



39.9928, 0.2788, 0.4797



39.9928, 0.1566, 0.2191



39.9928, 0.3251, 0.2242



39.9928, 0.4942, 0.4008

Rectangle

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



39.9928, 0.2788, 0.4797



39.9928, 0.1730, 0.3145



39.9928, 0.3251, 0.2242



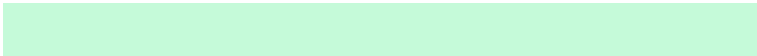
39.9928, 0.4728, 0.3132

Sweetspot

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



39.9944, 0.2788, 0.4797



85.2379, 0.2991, 0.3653



44.2025, 0.3615, 0.5159



18.0446, 0.2974, 0.3707



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.



39.9944, 0.2788, 0.4797



69.8931, 0.2801, 0.5163



42.0327, 0.2415, 0.3582



11.3191, 0.3067, 0.3439



25.6881, 0.2832, 0.5394



1.1233, 0.2702, 0.4926

Inverse Universe

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



16.0118, 0.3954, 0.2243



24.4227, 0.4216, 0.2178



14.5472, 0.5229, 0.3096



10.1822, 0.3193, 0.3146



8.4841, 0.4403, 0.2199



0.3795, 0.4071, 0.2016

Previews

White Background



This preview shows how the Yxy color 39.9928, 0.2788, 0.4797 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 39.9928, 0.2788, 0.4797 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 39.9928, 0.2788, 0.4797

Background



This preview shows how black text looks on a background with the Yxy color 39.9928, 0.2788, 0.4797.



This preview shows how white text looks on a background with the Yxy color 39.9928, 0.2788, 0.4797.

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

39.9928, 0.2788, 0.4797

Protanopia

39.1826, 0.3918, 0.4244

Deuteranopia

39.1222, 0.3973, 0.3898



Tritanopia

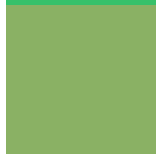
39.9729, 0.2389, 0.3077

Trichromacy



Original Color

39.9928, 0.2788, 0.4797



Protanomaly

37.7677, 0.3389, 0.4490



Deuteranomaly

37.3307, 0.3411, 0.4241



Tritanomaly

39.7575, 0.2529, 0.3662

Monochromacy



Original Color

39.9928, 0.2788, 0.4797



Achromatopsia

27.0498, 0.3127, 0.3290



Achromatomaly

30.3897, 0.2931, 0.3850

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.9928, 0.2788, 0.4797 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(55, 193, 106)` looks like.

```
.text, #text, p{  
    color:rgb(55, 193, 106)  
}
```

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(55, 193, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 193, 106) }
```

Border

The CSS property to change the border of an element to Yxy 39.9928, 0.2788, 0.4797 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(55, 193, 106) }
```

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

```
.border{ border-color:rgb(55, 193, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 193, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 193, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 193, 106);  
box-shadow:4px 4px 4px 4px rgb(55, 193,  
106) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 39.9928, 0.2788, 0.4797$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 193, 106) }
```

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

```
.background{ background-color: rgb(55, 193,  
106) }
```

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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