

Converting Colors

$Yxy(39.7764, 0.2996, 0.5462)$

Have a look what the booklet for
Yxy(39.7764, 0.2996, 0.5462)
contains.

Yxy(39.7832, 0.2996, 0.5462)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(39.7832, 0.2996, 0.5462)

Conversions

Conversions Part 1

Format	Color
Hex	38C23F
RGB	56, 194, 63
RGB Percent	22%, 76%, 25%
CMY	0.7802, 0.2392, 0.7529
CMYK	0.71, 0.00, 0.68, 0.24
HSL	123°, 55%, 49%
HSV	123°, 71%, 76%
XYZ	21.8218, 39.7832, 11.2314
YIQ	137.8040, -40.1970, -69.9970

Conversions

Conversions Part 2

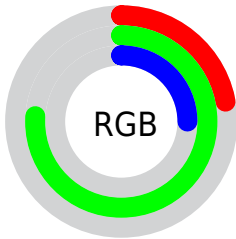
Format	Color
RYB	56, 187, 194
Decimal	3719743
CIELab	69.31, -61.57, 53.30
CIELCh	69, 81.436, 139.120
Yxy	39.7832, 0.2996, 0.5462
Android (android.graphics.Color)	4281909823 (0xFF38C23F)
YUV	137.8040, -36.8784, -71.7421
Hunter-Lab	63.0739, -48.6235, 33.5942

Details

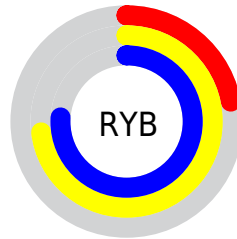
The Yxy color **39.7832, 0.2996, 0.5462** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **17.8920, 0.3287, 0.1802**, and the grayscale version is **25.4974, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.0427, 0.3070, 0.5004**, and **18.4652, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **39.1569, 0.2990, 0.5709**, and if you desaturate by 10%, it is **40.6982, 0.3008, 0.5158**.

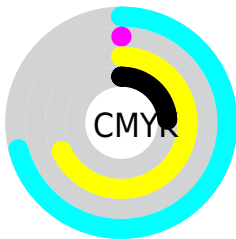
Distribution



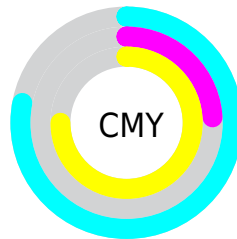
- Red (22%)
- Green (76%)
- Blue (25%)



- Red (22%)
- Yellow (73%)
- Blue (76%)



- Cyan (71%)
- Magenta (0%)
- Yellow (68%)
- Black (24%)




- Cyan (78%)
- Magenta (24%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.7832, 0.2996, 0.5462 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 39.7832, 0.2996, 0.5462 by changing the saturation by 10% instead.


 39.7832, 0.2996,
0.5462


 39.7832, 0.2996,
0.5462

345.2089, 0.3141,
0.4264

 27.3695, 0.2925,
0.5784


 74.8333, 0.3072,
0.5006

 17.8510, 0.2811,
0.6202


 98.2385, 0.3094,
0.4840

 10.8430, 0.2618,
0.6750


 126.0763, 0.3109,
0.4702

 5.9614, 0.2338,
0.7662

 158.7312, 0.3119,
0.4587

 2.8216, 0.1579,
0.8421

 196.5875, 0.3127,
0.4488

 1.0393, 0.0000,
1.0000

240.0296, 0.3133,

 0.0000, 0.0000,

0.4403

0.0000

289.4420, 0.3138,
0.4329

■ 39.7832, 0.2996,
0.5462

■ 39.7832, 0.2996,
0.5462

■ 39.1569, 0.2990,
0.5709

■ 40.6982, 0.3008,
0.5158

■ 38.7806, 0.2990,
0.5882

■ 41.9257, 0.3024,
0.4822

■ 38.6053, 0.2992,
0.5970

■ 43.4922, 0.3043,
0.4479

■ 45.4205, 0.3064,
0.4147

■ 47.7310, 0.3085,
0.3839

■ 50.4430, 0.3106,
0.3561

■ 53.5741, 0.3125,
0.3315

■ 57.1412, 0.3143,
0.3101

■ 61.1600, 0.3159,
0.2917

Harmonies

Analogous

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



39.7832, 0.4041, 0.5329



39.7832, 0.2996, 0.5462



39.7832, 0.2036, 0.4470

Triad

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



39.7832, 0.2996, 0.5462



39.7832, 0.1431, 0.1712



39.7832, 0.5127, 0.3051

Complementary

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



39.7832, 0.2996, 0.5462



17.8920, 0.3287, 0.1802

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.



39.7832, 0.4101, 0.2391



39.7832, 0.2996, 0.5462



39.7832, 0.1948, 0.1661

Square

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



39.7832, 0.2996, 0.5462



39.7832, 0.1264, 0.2126



39.7832, 0.2872, 0.1899



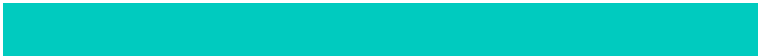
39.7832, 0.5402, 0.3787

Rectangle

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



39.7832, 0.2996, 0.5462



39.7832, 0.1588, 0.3503



39.7832, 0.2872, 0.1899



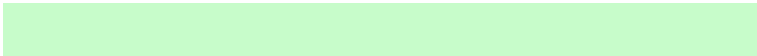
39.7832, 0.4850, 0.2819

Sweetspot

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



39.7849, 0.2996, 0.5462



86.3750, 0.3085, 0.3845



49.4476, 0.4007, 0.4890



18.6421, 0.3079, 0.3929



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.



39.7849, 0.2996, 0.5462



70.5325, 0.2990, 0.5810



41.0897, 0.2652, 0.4344



11.2669, 0.3109, 0.3516



25.3853, 0.2990, 0.5962



1.0997, 0.2951, 0.5825

Inverse Universe

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



17.8920, 0.3287, 0.1802



28.5458, 0.3317, 0.1662



15.6133, 0.4393, 0.2546



10.2385, 0.3145, 0.3074



9.8257, 0.3338, 0.1613



0.4273, 0.3307, 0.1595

Previews

White Background



This preview shows how the Yxy color 39.7832, 0.2996, 0.5462 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 39.7832, 0.2996, 0.5462 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 39.7832, 0.2996, 0.5462

Background



This preview shows how black text looks on a background with the Yxy color 39.7832, 0.2996, 0.5462.



This preview shows how white text looks on a background with the Yxy color 39.7832, 0.2996, 0.5462.

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

39.7832, 0.2996, 0.5462

Protanopia

38.9822, 0.4229, 0.4650

Deuteranopia

39.0459, 0.4386, 0.4301



Tritanopia

39.4130, 0.2417, 0.3062

Trichromacy



Original Color

39.7832, 0.2996, 0.5462



Protanomaly

37.3355, 0.3665, 0.5007



Deuteranomaly

36.7195, 0.3762, 0.4765



Tritanomaly

38.9614, 0.2639, 0.3922

Monochromacy



Original Color

39.7832, 0.2996, 0.5462



Achromatopsia

25.4152, 0.3127, 0.3290



Achromatomaly

28.7896, 0.3060, 0.4140

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.7832, 0.2996, 0.5462 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(56, 194, 63)` looks like.

```
.text, #text, p{  
    color:rgb(56, 194, 63)  
}
```

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(56, 194, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 194, 63) }
```

Border

The CSS property to change the border of an element to Yxy 39.7832, 0.2996, 0.5462 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(56, 194, 63) }
```

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

```
.border{ border-color:rgb(56, 194, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 194, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 194, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 194, 63);  
box-shadow:4px 4px 4px 4px rgb(56, 194,  
63) }
```


Background

The CSS property to change the background color of an element to Yxy 39.7832, 0.2996, 0.5462 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 194, 63) }
```

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

```
.background{ background-color: rgb(56, 194,  
63) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor