

Converting Colors

$Y_{xy}(39.5550, 0.3022, 0.5744)$

Have a look what the booklet for
Yxy(39.5550, 0.3022, 0.5744)
contains.

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Color

Yxy(39.6903, 0.3024, 0.5748)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 2BC327 |
| RGB | 43, 195, 39 |
| RGB Percent | 17%, 76%, 15% |
| CMY | 0.8309, 0.2353, 0.8471 |
| CMYK | 0.78, 0.00, 0.80, 0.24 |
| HSL | 118°, 67%, 46% |
| HSV | 118°, 80%, 76% |
| XYZ | 20.8809, 39.6903, 8.4794 |
| YIQ | 131.7680, -40.5160, -80.7400 |

Conversions

Conversions Part 2

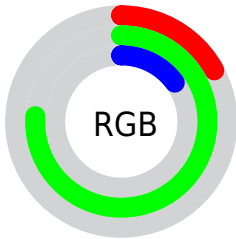
| Format | Color |
|-------------------------------------|--|
| RYB | 39, 195, 191 |
| Decimal | 2868007 |
| CIELab | 69.25, -65.75, 61.57 |
| CIELCh | 69, 90.079, 136.880 |
| Yxy | 39.6903, 0.3024, 0.5748 |
| Android (android.graphics.Color) | 4281058087 (0xFF2BC327) |
| YUV | 131.7680, -45.7346, -77.8495 |
| Hunter-Lab | 63.0002, -51.0881, 36.1201 |

Details

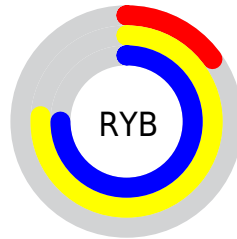
The Yxy color **39.6903, 0.3024, 0.5748** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **16.4533, 0.3153, 0.1619**, and the grayscale version is **23.1773, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.7585, 0.3112, 0.5246**, and **18.7562, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **39.2740, 0.3012, 0.5910**, and if you desaturate by 10%, it is **40.3673, 0.3038, 0.5504**.

Distribution



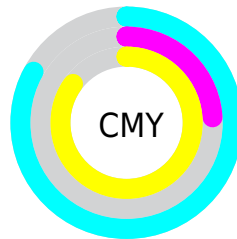
- Red (17%)
- Green (76%)
- Blue (15%)



- Red (15%)
- Yellow (76%)
- Blue (75%)



- Cyan (78%)
- Magenta (0%)
- Yellow (80%)
- Black (24%)



- Cyan (83%)
- Magenta (24%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 39.6903, 0.3024, 0.5748 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 39.6903, 0.3024, 0.5748 by changing the saturation by 10% instead.


 39.6903, 0.3024,
0.5748


 39.6903, 0.3024,
0.5748


344.8165, 0.3182,
0.4400

 27.2972, 0.2938,
0.6099


 74.6917, 0.3114,
0.5240

 17.7965, 0.2797,
0.6542


 98.0687, 0.3137,
0.5054


 10.8040, 0.2575,
0.7143


 125.8758, 0.3153,
0.4898


 5.9352, 0.2168,
0.7832

 158.4974, 0.3164,
0.4767

 2.8057, 0.1303,
0.8697

 196.3179, 0.3172,
0.4655

 1.0312, 0.0000,
1.0000

 239.7216, 0.3177,

 0.0000, 0.0000,

0.4558

0.0000

289.0930, 0.3180,
0.4474

■ 39.6903, 0.3024,
0.5748

■ 39.6903, 0.3024,
0.5748

■ 39.2740, 0.3012,
0.5910

■ 40.3673, 0.3038,
0.5504

■ 39.0627, 0.3005,
0.5996

■ 41.3325, 0.3054,
0.5197

■ 39.0626, 0.3005,
0.5996

■ 42.6152, 0.3070,
0.4853

■ 44.2397, 0.3085,
0.4498

■ 46.2281, 0.3098,
0.4154

■ 48.6007, 0.3110,
0.3833

■ 51.3761, 0.3119,
0.3545

■ 54.5718, 0.3127,
0.3290

■ 58.2042, 0.3134,
0.3068

Harmonies

Analogous

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



39.6903, 0.4142, 0.5439



39.6903, 0.3024, 0.5748



39.6903, 0.1983, 0.4730

Triad

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



39.6903, 0.3024, 0.5748



39.6903, 0.1284, 0.1604



39.6903, 0.5271, 0.2947

Complementary

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



39.6903, 0.3024, 0.5748



16.4533, 0.3153, 0.1619

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.



39.6903, 0.4091, 0.2264



39.6903, 0.3024, 0.5748



39.6903, 0.1793, 0.1535

Square

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



39.6903, 0.3024, 0.5748



39.6903, 0.1131, 0.2062



39.6903, 0.2748, 0.1764



39.6903, 0.5610, 0.3708

Rectangle

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



39.6903, 0.3024, 0.5748



39.6903, 0.1493, 0.3625



39.6903, 0.2748, 0.1764



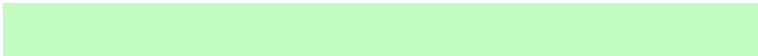
39.6903, 0.4947, 0.2708

Sweetspot

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



39.6920, 0.3024, 0.5748



85.1011, 0.3105, 0.3970



48.4881, 0.4173, 0.4906



18.3050, 0.3101, 0.4088



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.



39.6920, 0.3024, 0.5748



70.0403, 0.3005, 0.5975



40.6263, 0.2712, 0.4736



11.2712, 0.3120, 0.3528



25.3949, 0.3007, 0.5995



1.1017, 0.3031, 0.5975

Inverse Universe

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



16.4533, 0.3153, 0.1619



26.8812, 0.3145, 0.1515



14.4631, 0.4381, 0.2368



10.2336, 0.3134, 0.3063



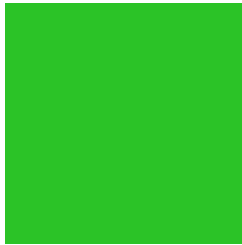
9.6707, 0.3144, 0.1506



0.4222, 0.3160, 0.1514

Previews

White Background



This preview shows how the Yxy color 39.6903, 0.3024, 0.5748 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 39.6903, 0.3024, 0.5748 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 39.6903, 0.3024, 0.5748

Background



This preview shows how black text looks on a background with the Yxy color 39.6903, 0.3024, 0.5748.



This preview shows how white text looks on a background with the Yxy color 39.6903, 0.3024, 0.5748.

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

39.6903, 0.3024, 0.5748

Protanopia

38.9284, 0.4341, 0.4794

Deuteranopia

38.7834, 0.4530, 0.4427



Tritanopia

39.6151, 0.2400, 0.3077

Trichromacy



Original Color

39.6903, 0.3024, 0.5748



Protanomaly

37.1964, 0.3718, 0.5242



Deuteranomaly

36.1249, 0.3830, 0.4991



Tritanomaly

38.8212, 0.2662, 0.4104

Monochromacy



Original Color

39.6903, 0.3024, 0.5748



Achromatopsia

23.0740, 0.3127, 0.3290



Achromatomaly

27.0339, 0.3095, 0.4362

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.6903, 0.3024, 0.5748 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(43, 195, 39)` looks like.

```
.text, #text, p{  
    color:rgb(43, 195, 39)  
}
```

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(43, 195, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 195, 39) }
```

Border

The CSS property to change the border of an element to Yxy 39.6903, 0.3024, 0.5748 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(43, 195, 39) }
```

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

```
.border{ border-color:rgb(43, 195, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 195, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 195, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 195, 39);  
box-shadow:4px 4px 4px 4px rgb(43, 195,  
39) }
```


Background

The CSS property to change the background color of an element to Yxy 39.6903, 0.3024, 0.5748 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 195, 39) }
```

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

```
.background{ background-color: rgb(43, 195,  
39) }
```

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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