

Converting Colors

$Yxy(39.3625, 0.2686, 0.4537)$

Have a look what the booklet for
Yxy(39.3625, 0.2686, 0.4537)
contains.

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Color

Yxy(39.2460, 0.2683, 0.4532)

Conversions

Conversions Part 1

Format	Color
Hex	30BF78
RGB	48, 191, 120
RGB Percent	19%, 75%, 47%
CMY	0.8124, 0.2509, 0.5294
CMYK	0.75, 0.00, 0.37, 0.25
HSL	150°, 60%, 47%
HSV	150°, 75%, 75%
XYZ	23.2341, 39.2460, 24.1174
YIQ	140.1490, -62.4370, -52.3970

Conversions

Conversions Part 2

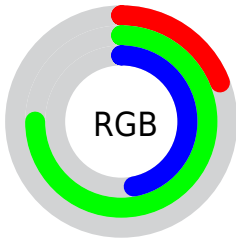
Format	Color
RYB	48, 143, 191
Decimal	3194744
CIELab	68.93, -53.44, 25.42
CIELCh	69, 59.180, 154.562
Yxy	39.2460, 0.2683, 0.4532
Android (android.graphics.Color)	4281384824 (0xFF30BF78)
YUV	140.1490, -9.9335, -80.8147
Hunter-Lab	62.6466, -43.4303, 21.0274

Details

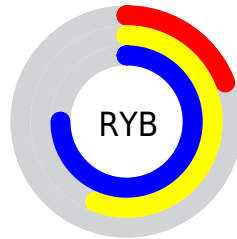
The Yxy color **39.2460, 0.2683, 0.4532** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **14.5084, 0.4367, 0.2450**, and the grayscale version is **26.3280, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.7968, 0.2782, 0.4260**, and **18.0633, 0.2692, 0.4891** is the 20% darker color. If you saturate the color by 10%, you get **38.6616, 0.2685, 0.4724**, and if you desaturate by 10%, it is **40.0560, 0.2701, 0.4338**.

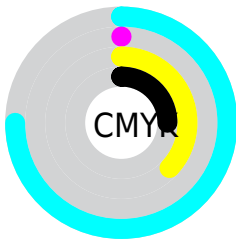
Distribution



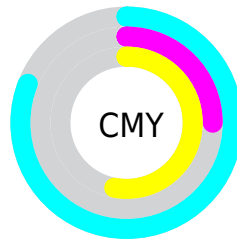
- Red (19%)
- Green (75%)
- Blue (47%)



- Red (19%)
- Yellow (56%)
- Blue (75%)



- Cyan (75%)
- Magenta (0%)
- Yellow (37%)
- Black (25%)





- Cyan (81%)
- Magenta (25%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.2460, 0.2683, 0.4532 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 39.2460, 0.2683, 0.4532 by changing the saturation by 10% instead.


 39.2460, 0.2683,
0.4532


 39.2460, 0.2683,
0.4532


342.9352, 0.2934,
0.3848


 26.9512, 0.2610,
0.4724


 74.0140, 0.2782,
0.4268

 17.5365, 0.2509,
0.4985


 97.2559, 0.2816,
0.4173


 10.6178, 0.2362,
0.5355


 124.9156, 0.2845,
0.4096

 5.8104, 0.2133,
0.5914

 157.3775, 0.2869,
0.4030

 2.7302, 0.1752,
0.6961

 195.0261, 0.2889,
0.3975

 0.9925, 0.0000,
1.0000

238.2456, 0.2906,

 0.0000, 0.0000,

0.3927

0.0000

287.4205, 0.2921,
0.3885

■ 39.2460, 0.2683,
0.4532

■ 39.2460, 0.2683,
0.4532

■ 38.6616, 0.2685,
0.4724

■ 40.0560, 0.2701,
0.4338

■ 38.2696, 0.2707,
0.4908

■ 41.1103, 0.2736,
0.4146

■ 38.1162, 0.2722,
0.4998

■ 42.4310, 0.2788,
0.3962

■ 44.0361, 0.2852,
0.3789

■ 45.9422, 0.2924,
0.3628

■ 48.1645, 0.3003,
0.3482

■ 50.7173, 0.3086,
0.3350

■ 53.6137, 0.3169,
0.3232

■ 56.8663, 0.3253,
0.3128

Harmonies

Analogous

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



39.2460, 0.3499, 0.4913



39.2460, 0.2683, 0.4532



39.2460, 0.2034, 0.3625

Triad

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



39.2460, 0.2683, 0.4532



39.2460, 0.1978, 0.2002



39.2460, 0.4799, 0.3471

Complementary

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



39.2460, 0.2683, 0.4532



14.5084, 0.4367, 0.2450

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.



39.2460, 0.4282, 0.2878



39.2460, 0.2683, 0.4532



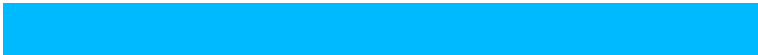
39.2460, 0.2569, 0.2077

Square

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



39.2460, 0.2683, 0.4532



39.2460, 0.1689, 0.2205



39.2460, 0.3414, 0.2386



39.2460, 0.4762, 0.4096

Rectangle

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



39.2460, 0.2683, 0.4532



39.2460, 0.1774, 0.3008



39.2460, 0.3414, 0.2386



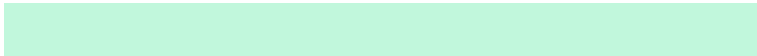
39.2460, 0.4685, 0.3266

Sweetspot

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



39.2476, 0.2683, 0.4532



83.2506, 0.2945, 0.3589



41.4316, 0.3456, 0.5337



18.0544, 0.2923, 0.3630



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.



39.2476, 0.2683, 0.4532



68.7429, 0.2697, 0.4844



41.6538, 0.2309, 0.3288



10.7277, 0.3049, 0.3406



25.0622, 0.2715, 0.4974



0.9949, 0.2593, 0.4535

Inverse Universe

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



14.5084, 0.4367, 0.2450



22.2758, 0.4775, 0.2462



13.3918, 0.5681, 0.3298



9.6132, 0.3213, 0.3177



7.8355, 0.4951, 0.2501



0.3201, 0.4426, 0.2212

Previews

White Background



This preview shows how the Yxy color 39.2460, 0.2683, 0.4532 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 39.2460, 0.2683, 0.4532 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 39.2460, 0.2683, 0.4532

Background



This preview shows how black text looks on a background with the Yxy color 39.2460, 0.2683, 0.4532.



This preview shows how white text looks on a background with the Yxy color 39.2460, 0.2683, 0.4532.

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

39.2460, 0.2683, 0.4532

Protanopia

38.5870, 0.3773, 0.4079

Deuteranopia

38.4097, 0.3802, 0.3729



Tritanopia

39.1907, 0.2360, 0.3074

Trichromacy



Original Color

39.2460, 0.2683, 0.4532



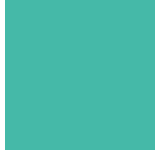
Protanomaly

37.2521, 0.3241, 0.4276



Deuteranomaly

36.3318, 0.3254, 0.4027



Tritanomaly

38.7903, 0.2470, 0.3566

Monochromacy



Original Color

39.2460, 0.2683, 0.4532



Achromatopsia

26.2251, 0.3127, 0.3290



Achromatomaly

29.5539, 0.2864, 0.3749

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.2460, 0.2683, 0.4532 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(48, 191, 120)` looks like.

```
.text, #text, p{  
  color:rgb(48, 191, 120)  
}
```

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(48, 191, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 191, 120) }
```

Border

The CSS property to change the border of an element to Yxy 39.2460, 0.2683, 0.4532 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(48, 191, 120) }
```

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

```
.border{ border-color:rgb(48, 191, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 191, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 191, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 191, 120);  
box-shadow:4px 4px 4px 4px rgb(48, 191,  
120) }
```


Background

The CSS property to change the background color of an element to Yxy 39.2460, 0.2683, 0.4532 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 191, 120) }
```

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

```
.background{ background-color: rgb(48, 191,  
120) }
```

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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