

Converting Colors

$Yxy(30.5745, 0.2579, 0.3994)$

Have a look what the booklet for
Yxy(30.5745, 0.2579, 0.3994)
contains.

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Color

Yxy(30.4847, 0.2578, 0.3983)

Conversions

Conversions Part 1

Format	Color
Hex	38A883
RGB	56, 168, 131
RGB Percent	22%, 66%, 51%
CMY	0.7803, 0.3412, 0.4862
CMYK	0.67, 0.00, 0.22, 0.34
HSL	160°, 50%, 44%
HSV	160°, 67%, 66%
XYZ	19.7312, 30.4847, 26.3211
YIQ	130.2940, -54.8750, -35.2510

Conversions

Conversions Part 2

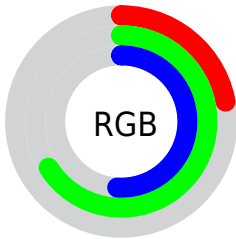
Format	Color
RYB	56, 123, 168
Decimal	3713155
CIELab	62.07, -40.45, 10.02
CIELCh	62, 41.674, 166.094
Yxy	30.4847, 0.2578, 0.3983
Android (android.graphics.Color)	4281903235 (0xFF38A883)
YUV	130.2940, 0.3481, -65.1558
Hunter-Lab	55.2130, -32.8328, 10.3844

Details

The Yxy color **30.4847, 0.2578, 0.3983** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **11.9448, 0.4532, 0.2770**, and the grayscale version is **22.4480, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.4850, 0.2694, 0.3834**, and **12.8707, 0.2502, 0.4208** is the 20% darker color. If you saturate the color by 10%, you get **29.9338, 0.2550, 0.4108**, and if you desaturate by 10%, it is **31.2085, 0.2625, 0.3861**.

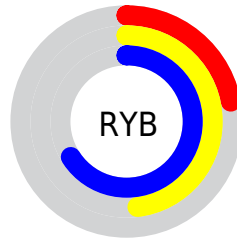
Distribution



Red (22%)

Green (66%)

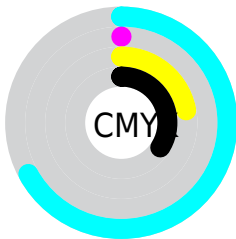
Blue (51%)



Red (22%)

Yellow (48%)

Blue (66%)

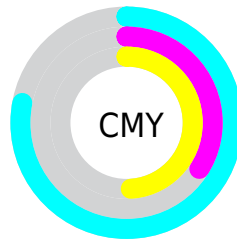


Cyan (67%)

Magenta (0%)

Yellow (22%)

Black (34%)



Cyan (78%)


Magenta (34%)

Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.4847, 0.2578, 0.3983 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 30.4847, 0.2578, 0.3983 by changing the saturation by 10% instead.

 30.4847, 0.2578,
0.3983


 30.4847, 0.2578,
0.3983


304.1573, 0.2878,
0.3597

 20.2068, 0.2494,
0.4095


 60.4279, 0.2694,
0.3832


 12.5454, 0.2380,
0.4248


 80.8619, 0.2735,
0.3779


 7.1163, 0.2216,
0.4474


 105.4501, 0.2769,
0.3735

 3.5349, 0.1965,
0.4833

 134.5768, 0.2798,
0.3699

 1.4170, 0.1151,
0.5774

 168.6265, 0.2822,
0.3668

 0.2292, 0.0000,
1.0000

207.9836, 0.2843,

 0.0000, 0.0000,

0.3641

0.0000

253.0324, 0.2862,
0.3618

■ 30.4847, 0.2578,
0.3983

■ 30.4847, 0.2578,
0.3983

■ 29.9338, 0.2550,
0.4108

■ 31.2085, 0.2625,
0.3861

■ 29.5351, 0.2541,
0.4233

■ 32.1164, 0.2689,
0.3743

■ 29.2652, 0.2550,
0.4357

■ 33.2226, 0.2767,
0.3631

■ 29.1871, 0.2555,
0.4398

■ 34.5392, 0.2856,
0.3527

■ 36.0771, 0.2954,
0.3431

■ 37.8465, 0.3057,
0.3343

■ 39.8569, 0.3163,
0.3265

■ 42.1172, 0.3270,
0.3194

■ 44.6362, 0.3377,
0.3132

Harmonies

Analogous

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



30.4847, 0.3198, 0.4454



30.4847, 0.2578, 0.3983



30.4847, 0.2135, 0.3285

Triad

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



30.4847, 0.2578, 0.3983



30.4847, 0.2374, 0.2257



30.4847, 0.4462, 0.3666

Complementary

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



30.4847, 0.2578, 0.3983



11.9448, 0.4532, 0.2770

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.



30.4847, 0.4210, 0.3161



30.4847, 0.2578, 0.3983



30.4847, 0.2939, 0.2392

Square

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



30.4847, 0.2578, 0.3983



30.4847, 0.2036, 0.2346



30.4847, 0.3624, 0.2713



30.4847, 0.4306, 0.4149

Rectangle

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



30.4847, 0.2578, 0.3983



30.4847, 0.1983, 0.2863



30.4847, 0.3624, 0.2713



30.4847, 0.4424, 0.3496

Sweetspot

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



30.4859, 0.2578, 0.3983



64.3835, 0.2917, 0.3466



30.6364, 0.3291, 0.5233



13.8695, 0.2890, 0.3491



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



30.4859, 0.2578, 0.3983



53.9378, 0.2543, 0.4168



25.2698, 0.2276, 0.2950



8.4893, 0.3029, 0.3366



22.0503, 0.2552, 0.4386



0.5453, 0.2438, 0.3978

Inverse Universe

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



11.9448, 0.4532, 0.2770



17.8530, 0.5038, 0.2760



13.5991, 0.5054, 0.3550



7.5817, 0.3236, 0.3216



6.5071, 0.5608, 0.2863



0.1677, 0.4701, 0.2364

Previews

White Background



This preview shows how the Yxy color 30.4847, 0.2578, 0.3983 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 30.4847, 0.2578, 0.3983 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 30.4847, 0.2578, 0.3983

Background



This preview shows how black text looks on a background with the Yxy color 30.4847, 0.2578, 0.3983.



This preview shows how white text looks on a background with the Yxy color 30.4847, 0.2578, 0.3983.

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

30.4847, 0.2578, 0.3983

Protanopia

30.1445, 0.3500, 0.3728

Deuteranopia

30.0489, 0.3470, 0.3411



Tritanopia

30.3917, 0.2371, 0.3068

Trichromacy



Original Color

30.4847, 0.2578, 0.3983



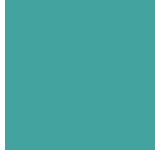
Protanomaly

29.3226, 0.3064, 0.3827



Deuteranomaly

29.0157, 0.3043, 0.3612



Tritanomaly

30.2474, 0.2439, 0.3376

Monochromacy



Original Color

30.4847, 0.2578, 0.3983



Achromatopsia

22.3228, 0.3127, 0.3290



Achromatomaly

24.4418, 0.2847, 0.3550

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.4847, 0.2578, 0.3983 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, 168, 131)` looks like.

```
.text, #text, p{  
    color:rgb(56, 168, 131)  
}
```

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, 168, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 168, 131) }
```

Border

The CSS property to change the border of an element to Yxy 30.4847, 0.2578, 0.3983 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, 168, 131) }
```

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

```
.border{ border-color:rgb(56, 168, 131) }
```

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

Here you see how a box with a 4 pixel rgb(56, 168, 131) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 168, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 168, 131);  
box-shadow:4px 4px 4px 4px rgb(56, 168,  
131) }
```


Background

The CSS property to change the background color of an element to Yxy 30.4847, 0.2578, 0.3983 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 168, 131) }
```

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

```
.background{ background-color: rgb(56, 168,  
131) }
```

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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