

Converting Colors

$Yxy(30.8782, 0.2618, 0.4061)$

Have a look what the booklet for
Yxy(30.8782, 0.2618, 0.4061)
contains.

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Color

Yxy(30.8951, 0.2619, 0.4056)

Conversions

Conversions Part 1

Format	Color
Hex	3CA980
RGB	60, 169, 128
RGB Percent	24%, 66%, 50%
CMY	0.7645, 0.3373, 0.4981
CMYK	0.64, 0.00, 0.24, 0.34
HSL	157°, 48%, 45%
HSV	157°, 64%, 66%
XYZ	19.9493, 30.8951, 25.3270
YIQ	131.7350, -51.8030, -35.8590

Conversions

Conversions Part 2

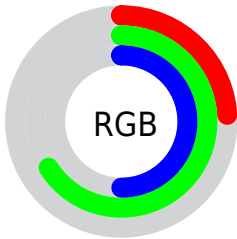
Format	Color
RYB	60, 127, 169
Decimal	3975552
CIELab	62.42, -40.87, 12.21
CIELCh	62, 42.653, 163.372
Yxy	30.8951, 0.2619, 0.4056
Android (android.graphics.Color)	4282165632 (0xFF3CA980)
YUV	131.7350, -1.8414, -62.9116
Hunter-Lab	55.5834, -33.2059, 11.8924

Details

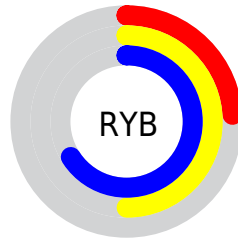
The Yxy color **30.8951, 0.2619, 0.4056** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **12.6143, 0.4359, 0.2704**, and the grayscale version is **23.0005, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.1086, 0.2727, 0.3886**, and **13.0553, 0.2533, 0.4319** is the 20% darker color. If you saturate the color by 10%, you get **30.2885, 0.2590, 0.4200**, and if you desaturate by 10%, it is **31.6828, 0.2666, 0.3916**.

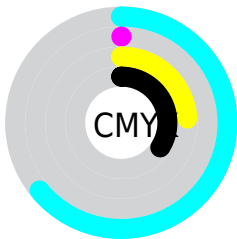
Distribution



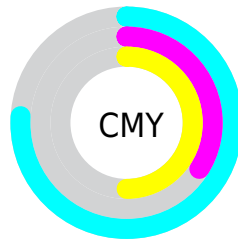
- Red (24%)
- Green (66%)
- Blue (50%)



- Red (24%)
- Yellow (50%)
- Blue (66%)



- Cyan (64%)
- Magenta (0%)
- Yellow (24%)
- Black (34%)





- Cyan (76%)
- Magenta (34%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.8951, 0.2619, 0.4056 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 30.8951, 0.2619, 0.4056 by changing the saturation by 10% instead.

 30.8951, 0.2619,
0.4056


 30.8951, 0.2619,
0.4056


306.0548, 0.2898,
0.3628

 20.5190, 0.2540,
0.4180


 61.0749, 0.2727,
0.3888

 12.7729, 0.2432,
0.4352


 81.6473, 0.2766,
0.3829

 7.2723, 0.2276,
0.4604


 106.3873, 0.2798,
0.3781

 3.6330, 0.2034,
0.5007

 135.6793, 0.2824,
0.3740

 1.4705, 0.1275,
0.6068

 169.9077, 0.2847,
0.3706

 0.2678, 0.0000,
1.0000

209.4568, 0.2866,

 0.0000, 0.0000,

0.3676

0.0000

254.7110, 0.2883,
0.3651

■ 30.8951, 0.2619,
0.4056

■ 30.8951, 0.2619,
0.4056

■ 30.2885, 0.2590,
0.4200

■ 31.6828, 0.2666,
0.3916

■ 29.8425, 0.2581,
0.4344

■ 32.6625, 0.2729,
0.3781

■ 29.5379, 0.2591,
0.4487

■ 33.8486, 0.2805,
0.3654

■ 29.4032, 0.2601,
0.4565

■ 35.2530, 0.2891,
0.3536

■ 36.8867, 0.2985,
0.3428

■ 38.7599, 0.3083,
0.3330

■ 40.8822, 0.3183,
0.3243

■ 43.2628, 0.3283,
0.3164

■ 45.9101, 0.3382,
0.3095

Harmonies

Analogous

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



30.8951, 0.3258, 0.4499



30.8951, 0.2619, 0.4056



30.8951, 0.2148, 0.3348

Triad

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



30.8951, 0.2619, 0.4056



30.8951, 0.2320, 0.2239



30.8951, 0.4481, 0.3623

Complementary

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



30.8951, 0.2619, 0.4056



12.6143, 0.4359, 0.2704

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.



30.8951, 0.4187, 0.3113



30.8951, 0.2619, 0.4056



30.8951, 0.2875, 0.2357

Square

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



30.8951, 0.2619, 0.4056



30.8951, 0.2000, 0.2350



30.8951, 0.3570, 0.2667



30.8951, 0.4356, 0.4120

Rectangle

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



30.8951, 0.2619, 0.4056



30.8951, 0.1978, 0.2907



30.8951, 0.3570, 0.2667



30.8951, 0.4429, 0.3450

Sweetspot

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



30.8963, 0.2619, 0.4056



64.5823, 0.2939, 0.3480



31.5170, 0.3340, 0.5144



13.9043, 0.2913, 0.3510



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.



30.8963, 0.2619, 0.4056



53.8998, 0.2584, 0.4256



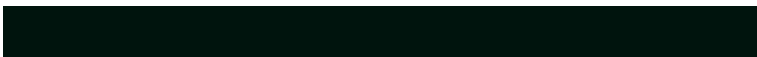
27.7015, 0.2318, 0.3063



8.4834, 0.3035, 0.3376



21.9249, 0.2597, 0.4550



0.5429, 0.2467, 0.4082

Inverse Universe

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



12.6143, 0.4359, 0.2704



18.6409, 0.4793, 0.2667



13.4969, 0.5025, 0.3469



7.5873, 0.3229, 0.3205



6.5691, 0.5430, 0.2765



0.1698, 0.4553, 0.2282

Previews

White Background



This preview shows how the Yxy color 30.8951, 0.2619, 0.4056 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 30.8951, 0.2619, 0.4056 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

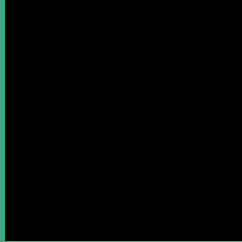
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 30.8951, 0.2619, 0.4056

Background



This preview shows how black text looks on a background with the Yxy color 30.8951, 0.2619, 0.4056.



This preview shows how white text looks on a background with the Yxy color 30.8951, 0.2619, 0.4056.

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

30.8951, 0.2619, 0.4056

Protanopia

30.5155, 0.3528, 0.3773

Deuteranopia

30.1860, 0.3524, 0.3455



Tritanopia

30.9487, 0.2388, 0.3070

Trichromacy



Original Color

30.8951, 0.2619, 0.4056



Protanomaly

29.7300, 0.3108, 0.3893



Deuteranomaly

29.1670, 0.3100, 0.3661



Tritanomaly

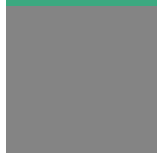
30.7531, 0.2462, 0.3393

Monochromacy



Original Color

30.8951, 0.2619, 0.4056



Achromatopsia

23.0740, 0.3127, 0.3290



Achromatomaly

24.9537, 0.2867, 0.3547

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.8951, 0.2619, 0.4056 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(60, 169, 128)` looks like.

```
.text, #text, p{  
    color:rgb(60, 169, 128)  
}
```

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(60, 169, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 169, 128) }
```

Border

The CSS property to change the border of an element to Yxy 30.8951, 0.2619, 0.4056 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(60, 169, 128) }
```

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

```
.border{ border-color:rgb(60, 169, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 169, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 169, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 169, 128);  
box-shadow:4px 4px 4px 4px rgb(60, 169,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 30.8951, 0.2619, 0.4056 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 169, 128) }
```

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

```
.background{ background-color: rgb(60, 169,  
128) }
```

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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