

Converting Colors

$Yxy(34.4279, 0.2777, 0.4073)$

Have a look what the booklet for
Yxy(34.4279, 0.2777, 0.4073)
contains.

Yxy(34.3464, 0.2776, 0.4077)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(34.3464, 0.2776, 0.4077)

Conversions

Conversions Part 1

Format	Color
Hex	58AF82
RGB	88, 175, 130
RGB Percent	35%, 69%, 51%
CMY	0.6547, 0.3137, 0.4902
CMYK	0.50, 0.00, 0.26, 0.31
HSL	149°, 35%, 52%
HSV	149°, 50%, 69%
XYZ	23.3862, 34.3464, 26.5117
YIQ	143.8570, -37.4070, -32.4390

Conversions

Conversions Part 2

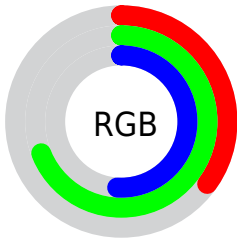
Format	Color
RYB	88, 147, 175
Decimal	5812098
CIELab	65.24, -36.85, 15.17
CIELCh	65, 39.848, 157.616
Yxy	34.3464, 0.2776, 0.4077
Android (android.graphics.Color)	4284002178 (0xFF58AF82)
YUV	143.8570, -6.8315, -48.9866
Hunter-Lab	58.6058, -31.3310, 14.2029

Details

The Yxy color **34.3464, 0.2776, 0.4077** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **17.7958, 0.3764, 0.2636**, and the grayscale version is **27.8733, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.4104, 0.2851, 0.3908**, and **14.7744, 0.2641, 0.4359** is the 20% darker color. If you saturate the color by 10%, you get **33.3607, 0.2733, 0.4272**, and if you desaturate by 10%, it is **35.5613, 0.2832, 0.3891**.

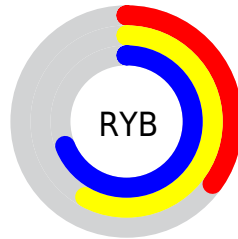
Distribution



Red (35%)

Green (69%)

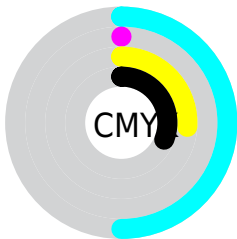
Blue (51%)



Red (35%)

Yellow (58%)

Blue (69%)

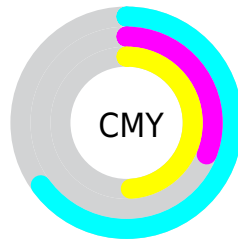


Cyan (50%)

Magenta (0%)

Yellow (26%)

Black (31%)



Cyan (65%)

Magenta (31%)

Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.3464, 0.2776, 0.4077 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 34.3464, 0.2776, 0.4077 by changing the saturation by 10% instead.


 34.3464, 0.2776,
0.4077


 34.3464, 0.2776,
0.4077


321.6739, 0.2970,
0.3644


 23.1598, 0.2721,
0.4200


 66.4720, 0.2851,
0.3909


 14.7116, 0.2645,
0.4369


 88.1798, 0.2878,
0.3849

 8.6172, 0.2535,
0.4612


 114.1635, 0.2900,
0.3800

 4.4924, 0.2363,
0.4992

 144.8075, 0.2919,
0.3758

 1.9526, 0.2051,
0.5689

180.4961, 0.2934,
0.3723

 0.5797, 0.0000,
1.0000

221.6138, 0.2948,

 0.0000, 0.0000,

0.3693

0.0000

268.5449, 0.2960,
0.3667

■ 34.3464, 0.2776,
0.4077

■ 34.3464, 0.2776,
0.4077

■ 33.3607, 0.2733,
0.4272

■ 35.5613, 0.2832,
0.3891

■ 32.5846, 0.2707,
0.4473

■ 37.0152, 0.2899,
0.3718

■ 32.0019, 0.2699,
0.4674


■ 38.7224, 0.2972,
0.3559

■ 31.5922, 0.2711,
0.4869

■ 40.6945, 0.3050,
0.3415


■ 31.3140, 0.2738,
0.5054


■ 42.9429, 0.3130,
0.3286

 31.3060, 0.2739,
0.5060

 45.4778, 0.3210,
0.3172

 48.3093, 0.3288,
0.3071

 51.4468, 0.3365,
0.2982

 54.8991, 0.3438,
0.2904

Harmonies

Analogous

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



34.3464, 0.3371, 0.4401



34.3464, 0.2776, 0.4077



34.3464, 0.2304, 0.3472

Triad

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



34.3464, 0.2776, 0.4077



34.3464, 0.2318, 0.2332



34.3464, 0.4327, 0.3514

Complementary

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



34.3464, 0.2776, 0.4077



17.7958, 0.3764, 0.2636

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.



34.3464, 0.3993, 0.3049



34.3464, 0.2776, 0.4077



34.3464, 0.2791, 0.2400

Square

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



34.3464, 0.2776, 0.4077



34.3464, 0.2067, 0.2484



34.3464, 0.3408, 0.2656



34.3464, 0.4292, 0.3976

Rectangle

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



34.3464, 0.2776, 0.4077



34.3464, 0.2113, 0.3058



34.3464, 0.3408, 0.2656



34.3464, 0.4254, 0.3355

Sweetspot

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



34.3478, 0.2776, 0.4077



70.8559, 0.3006, 0.3493



36.4677, 0.3446, 0.4656



15.5899, 0.2990, 0.3524



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



34.3478, 0.2776, 0.4077



59.5399, 0.2729, 0.4299



35.7188, 0.2504, 0.3335



9.0013, 0.3053, 0.3410



22.4320, 0.2733, 0.5039



0.6351, 0.2573, 0.4462

Inverse Universe

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



17.7958, 0.3764, 0.2636



26.3500, 0.3988, 0.2512



16.8552, 0.4448, 0.3252



8.0820, 0.3208, 0.3173



7.0751, 0.4852, 0.2447



0.2078, 0.4230, 0.2104

Previews

White Background



This preview shows how the Yxy color 34.3464, 0.2776, 0.4077 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 34.3464, 0.2776, 0.4077 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 34.3464, 0.2776, 0.4077

Background



This preview shows how black text looks on a background with the Yxy color 34.3464, 0.2776, 0.4077.



This preview shows how white text looks on a background with the Yxy color 34.3464, 0.2776, 0.4077.

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

34.3464, 0.2776, 0.4077

Protanopia

33.8439, 0.3570, 0.3810

Deuteranopia

33.7062, 0.3600, 0.3518



Tritanopia

34.2074, 0.2504, 0.3067

Trichromacy



Original Color

34.3464, 0.2776, 0.4077



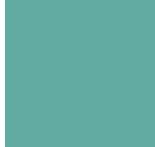
Protanomaly

33.5206, 0.3229, 0.3918



Deuteranomaly

33.0381, 0.3243, 0.3715



Tritanomaly

34.3116, 0.2602, 0.3420

Monochromacy



Original Color

34.3464, 0.2776, 0.4077



Achromatopsia

27.8894, 0.3127, 0.3290



Achromatomaly

29.5919, 0.2971, 0.3560

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.3464, 0.2776, 0.4077 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(88, 175, 130)` looks like.

```
.text, #text, p{  
    color:rgb(88, 175, 130)  
}
```

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(88, 175, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 175, 130) }
```

Border

The CSS property to change the border of an element to Yxy 34.3464, 0.2776, 0.4077 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(88, 175, 130) }
```

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

```
.border{ border-color:rgb(88, 175, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 175, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 175, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 175, 130);  
box-shadow:4px 4px 4px 4px rgb(88, 175,  
130) }
```


Background

The CSS property to change the background color of an element to Yxy 34.3464, 0.2776, 0.4077 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 175, 130) }
```

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

```
.background{ background-color: rgb(88, 175,  
130) }
```

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