

Converting Colors

$Yxy(30.9571, 0.2763, 0.4057)$

Have a look what the booklet for
Yxy(30.9571, 0.2763, 0.4057)
contains.

Yxy(30.9571, 0.2763, 0.4057)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(30.9571, 0.2763, 0.4057)

Conversions

Conversions Part 1

Format	Color
Hex	53A77D
RGB	83, 167, 125
RGB Percent	33%, 65%, 49%
CMY	0.6748, 0.3451, 0.5098
CMYK	0.50, 0.00, 0.25, 0.35
HSL	150°, 34%, 49%
HSV	150°, 50%, 65%
XYZ	21.0832, 30.9571, 24.2651
YIQ	137.0960, -36.5820, -30.8700

Conversions

Conversions Part 2

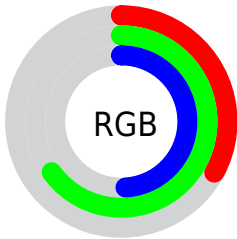
Format	Color
RYB	83, 139, 167
Decimal	5482365
CIELab	62.47, -35.57, 14.04
CIELCh	62, 38.239, 158.461
Yxy	30.9571, 0.2763, 0.4057
Android (android.graphics.Color)	4283672445 (0xFF53A77D)
YUV	137.0960, -5.9633, -47.4422
Hunter-Lab	55.6391, -29.7299, 13.0900

Details

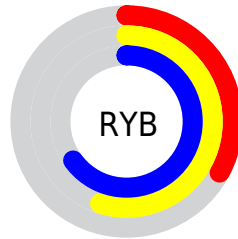
The Yxy color **30.9571, 0.2763, 0.4057** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **15.8728, 0.3797, 0.2652**, and the grayscale version is **25.0824, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.3930, 0.2844, 0.3888**, and **12.7386, 0.2619, 0.4347** is the 20% darker color. If you saturate the color by 10%, you get **30.0843, 0.2720, 0.4245**, and if you desaturate by 10%, it is **32.0333, 0.2820, 0.3878**.

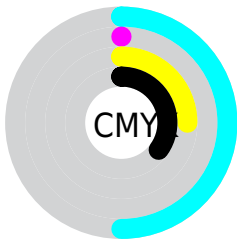
Distribution



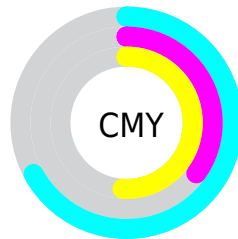
- Red (33%)
- Green (65%)
- Blue (49%)



- Red (33%)
- Yellow (55%)
- Blue (65%)



- Cyan (50%)
- Magenta (0%)
- Yellow (25%)
- Black (35%)





- Cyan (67%)
- Magenta (35%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.9571, 0.2763, 0.4057 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 30.9571, 0.2763, 0.4057 by changing the saturation by 10% instead.

 30.9571, 0.2763,
0.4057


 30.9571, 0.2763,
0.4057


306.3406, 0.2966,
0.3628

 20.5662, 0.2704,
0.4182

 61.1725, 0.2843,
0.3889

 12.8073, 0.2622,
0.4354


 81.7658, 0.2871,
0.3830


 7.2960, 0.2502,
0.4608


 106.5287, 0.2894,
0.3781

 3.6479, 0.2310,
0.5015

 135.8456, 0.2913,
0.3740

 1.4786, 0.1816,
0.6049

 170.1008, 0.2930,
0.3706

 0.2736, 0.0000,
1.0000

209.6788, 0.2944,

 0.0000, 0.0000,

0.3677

0.0000

254.9639, 0.2956,
0.3651

■ 30.9571, 0.2763,
0.4057

■ 30.9571, 0.2763,
0.4057

■ 30.0843, 0.2720,
0.4245

■ 32.0333, 0.2820,
0.3878

■ 29.3972, 0.2693,
0.4438

■ 33.3216, 0.2888,
0.3711

■ 28.8816, 0.2685,
0.4631

■ 34.8345, 0.2963,
0.3558

■ 28.5190, 0.2696,
0.4820

■ 36.5828, 0.3042,
0.3419

■ 28.2748, 0.2721,
0.4994

■ 38.5764, 0.3124,
0.3294

■ 40.8244, 0.3207,
0.3183

■ 43.3358, 0.3288,
0.3085

■ 46.1190, 0.3367,
0.2998

■ 49.1820, 0.3443,
0.2923

Harmonies

Analogous

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



30.9571, 0.3353, 0.4390



30.9571, 0.2763, 0.4057



30.9571, 0.2299, 0.3453

Triad

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



30.9571, 0.2763, 0.4057



30.9571, 0.2334, 0.2337



30.9571, 0.4323, 0.3527

Complementary

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



30.9571, 0.2763, 0.4057



15.8728, 0.3797, 0.2652

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.



30.9571, 0.4001, 0.3063



30.9571, 0.2763, 0.4057



30.9571, 0.2809, 0.2410

Square

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



30.9571, 0.2763, 0.4057



30.9571, 0.2077, 0.2481



30.9571, 0.3424, 0.2669



30.9571, 0.4278, 0.3984

Rectangle

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



30.9571, 0.2763, 0.4057



30.9571, 0.2114, 0.3044



30.9571, 0.3424, 0.2669



30.9571, 0.4255, 0.3369

Sweetspot

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



30.9584, 0.2763, 0.4057



63.9103, 0.3003, 0.3486



32.6232, 0.3421, 0.4683



14.1618, 0.2987, 0.3514



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.



30.9584, 0.2763, 0.4057



53.7680, 0.2717, 0.4259



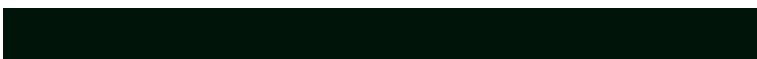
32.2682, 0.2482, 0.3288



8.4680, 0.3051, 0.3405



21.6428, 0.2716, 0.4977



0.5369, 0.2546, 0.4364

Inverse Universe

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



15.8728, 0.3797, 0.2652



23.7381, 0.4019, 0.2539



15.0170, 0.4516, 0.3294



7.6025, 0.3211, 0.3178



6.7797, 0.4924, 0.2486



0.1753, 0.4218, 0.2097

Previews

White Background



This preview shows how the Yxy color 30.9571, 0.2763, 0.4057 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 30.9571, 0.2763, 0.4057 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

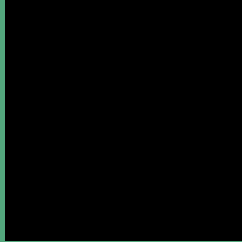
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.9571, 0.2763, 0.4057

Background



This preview shows how black text looks on a background with the Yxy color 30.9571, 0.2763, 0.4057.



This preview shows how white text looks on a background with the Yxy color 30.9571, 0.2763, 0.4057.

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

30.9571, 0.2763, 0.4057

Protanopia

30.5706, 0.3559, 0.3802

Deuteranopia

30.6332, 0.3575, 0.3513



Tritanopia

31.0325, 0.2497, 0.3074

Trichromacy



Original Color

30.9571, 0.2763, 0.4057

Protanomaly

30.0385, 0.3216, 0.3896

Deuteranomaly

29.9164, 0.3229, 0.3701

Tritanomaly

30.8188, 0.2590, 0.3409

Monochromacy



Original Color

30.9571, 0.2763, 0.4057

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

26.6552, 0.2955, 0.3555

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.9571, 0.2763, 0.4057 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(83, 167, 125)` looks like.

```
.text, #text, p{  
    color:rgb(83, 167, 125)  
}
```

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(83, 167, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 167, 125) }
```

Border

The CSS property to change the border of an element to Yxy 30.9571, 0.2763, 0.4057 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(83, 167, 125) }
```

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

```
.border{ border-color:rgb(83, 167, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 167, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 167, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 167, 125);  
box-shadow:4px 4px 4px 4px rgb(83, 167,  
125) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 30.9571, 0.2763, 0.4057$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 167, 125) }
```

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

```
.background{ background-color: rgb(83, 167,  
125) }
```

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