

Converting Colors

$Y_{xy}(29.9722, 0.3401, 0.3545)$

Have a look what the booklet for
Yxy(29.9722, 0.3401, 0.3545)
contains.

Yxy(30.0876, 0.3401, 0.3555)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(30.0876, 0.3401, 0.3555)

Conversions

Conversions Part 1

Format	Color
Hex	9E9483
RGB	158, 148, 131
RGB Percent	62%, 58%, 51%
CMY	0.3805, 0.4196, 0.4863
CMYK	0.00, 0.06, 0.17, 0.38
HSL	38°, 12%, 57%
HSV	38°, 17%, 62%
XYZ	28.7842, 30.0876, 25.7628
YIQ	149.0520, 11.4170, -3.1670

Conversions

Conversions Part 2

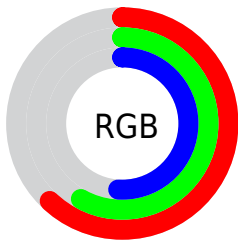
Format	Color
RYB	147, 158, 131
Decimal	10392707
CIELab	61.73, 0.73, 10.32
CIElCh	62, 10.341, 85.962
Yxy	30.0876, 0.3401, 0.3555
Android (android.graphics.Color)	4288582787 (0xFF9E9483)
YUV	149.0520, -8.8996, 7.8474
Hunter-Lab	54.8522, -2.3216, 10.5494

Details

The Yxy color **30.0876, 0.3401, 0.3555** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **26.3343, 0.2863, 0.3010**, and the grayscale version is **30.1121, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.8479, 0.3347, 0.3501**, and **12.2228, 0.3485, 0.3628** is the 20% darker color. If you saturate the color by 10%, you get **27.9070, 0.3584, 0.3718**, and if you desaturate by 10%, it is **32.4286, 0.3235, 0.3397**.

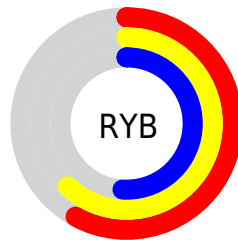
Distribution



Red (62%)

Green (58%)

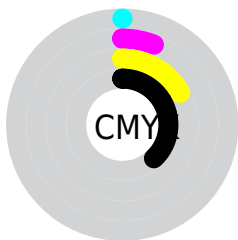
Blue (51%)



Red (58%)

Yellow (62%)

Blue (51%)

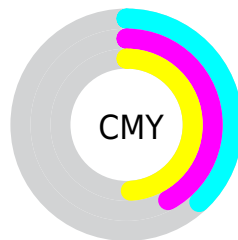


Cyan (0%)

Magenta (6%)

Yellow (17%)

Black (38%)



Cyan (38%)


Magenta (42%)


Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.0876, 0.3401, 0.3555 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 30.0876, 0.3401, 0.3555 by changing the saturation by 10% instead.


 30.0876, 0.3401,
0.3555


 30.0876, 0.3401,
0.3555


302.3126, 0.3254,
0.3413

 19.9051, 0.3441,
0.3594


 59.8007, 0.3345,
0.3501

 12.3261, 0.3496,
0.3646


 80.1000, 0.3325,
0.3482

 6.9662, 0.3572,
0.3719


 104.5405, 0.3308,
0.3465

 3.4409, 0.3688,
0.3829

133.5064, 0.3294,
0.3452

 1.3660, 0.3911,
0.4040

167.3821, 0.3282,
0.3440

 0.1915, 0.5106,
0.4894

206.5522, 0.3271,

 0.0000, 0.0000,

0.3430

0.0000

251.4008, 0.3262,
0.3421

■ 30.0876, 0.3401,
0.3555

■ 30.0876, 0.3401,
0.3555

■ 27.9070, 0.3584,
0.3718

■ 32.4286, 0.3235,
0.3397

■ 25.8785, 0.3783,
0.3882

■ 34.9300, 0.3085,
0.3247

■ 23.9988, 0.3994,
0.4039

■ 37.5971, 0.2952,
0.3107

■ 22.2632, 0.4212,
0.4182

■ 40.4336, 0.2833,
0.2976

■ 20.6663, 0.4429,
0.4299

■ 43.4431, 0.2728,
0.2856

■ 19.2023, 0.4635,
0.4380

■ 46.6291, 0.2635,
0.2746

■ 17.8649, 0.4819,
0.4415

■ 49.9948, 0.2552,
0.2645

■ 16.6444, 0.4974,
0.4403

■ 53.3891, 0.2490,
0.2577

■ 16.3053, 0.5019,
0.4396

■ 56.0515, 0.2501,
0.2649

Harmonies

Analogous

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



30.0876, 0.3458, 0.3456



30.0876, 0.3401, 0.3555



30.0876, 0.3270, 0.3584

Triad

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



30.0876, 0.3401, 0.3555



30.0876, 0.2839, 0.3250



30.0876, 0.3144, 0.3066

Complementary

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



30.0876, 0.3401, 0.3555



26.3343, 0.2863, 0.3010

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.



30.0876, 0.2980, 0.3011



30.0876, 0.3401, 0.3555



30.0876, 0.2807, 0.3112

Square

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



30.0876, 0.3401, 0.3555



30.0876, 0.2947, 0.3405



30.0876, 0.2858, 0.3026



30.0876, 0.3307, 0.3177

Rectangle

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



30.0876, 0.3401, 0.3555



30.0876, 0.3161, 0.3557



30.0876, 0.2858, 0.3026



30.0876, 0.3087, 0.3041

Sweetspot

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



30.0889, 0.3401, 0.3555



59.7825, 0.3204, 0.3367



25.4331, 0.3327, 0.3128



13.4116, 0.3214, 0.3377



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



30.0889, 0.3401, 0.3555



53.3119, 0.3460, 0.3609



33.0378, 0.3344, 0.3707



7.3079, 0.3269, 0.3431



13.1394, 0.5011, 0.4403



0.3135, 0.4615, 0.4718

Inverse Universe

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



26.3343, 0.2863, 0.3010



45.3550, 0.2809, 0.2949



23.7811, 0.2888, 0.2845



6.8167, 0.2988, 0.3145



4.5023, 0.1670, 0.1212



0.1581, 0.1887, 0.1992

Previews

White Background



This preview shows how the Yxy color 30.0876, 0.3401, 0.3555 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 30.0876, 0.3401, 0.3555 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

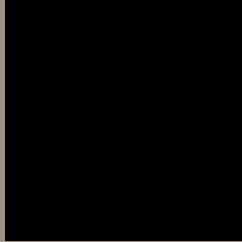
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.0876, 0.3401, 0.3555

Background



This preview shows how black text looks on a background with the Yxy color 30.0876, 0.3401, 0.3555.



This preview shows how white text looks on a background with the Yxy color 30.0876, 0.3401, 0.3555.

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

30.0876, 0.3401, 0.3555

Protanopia

30.2015, 0.3377, 0.3572

Deuteranopia

30.1585, 0.3534, 0.3470



Tritanopia

29.9239, 0.3188, 0.3110

Trichromacy



Original Color

30.0876, 0.3401, 0.3555

Protanomaly

30.3017, 0.3388, 0.3571

Deuteranomaly

30.0237, 0.3487, 0.3488

Tritanomaly

29.8310, 0.3266, 0.3260

Monochromacy



Original Color

30.0876, 0.3401, 0.3555

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

30.1233, 0.3226, 0.3400

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.0876, 0.3401, 0.3555 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(158, 148, 131)` looks like.

```
.text, #text, p{  
    color:rgb(158, 148, 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(158, 148, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 148, 131) }
```

Border

The CSS property to change the border of an element to Yxy 30.0876, 0.3401, 0.3555 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(158, 148, 131) }
```

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

```
.border{ border-color:rgb(158, 148, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 148, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 148, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 148, 131);  
box-shadow:4px 4px 4px 4px rgb(158, 148,  
131) }
```


Background

The CSS property to change the background color of an element to Yxy 30.0876, 0.3401, 0.3555 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 148, 131) }
```

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

```
.background{ background-color: rgb(158,  
148, 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](#).

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