

Converting Colors

$Y_{xy}(29.9456, 0.3378, 0.3359)$

Have a look what the booklet for
Yxy(29.9456, 0.3378, 0.3359)
contains.

Yxy(30.0368, 0.3381, 0.3366)	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(30.0368, 0.3381, 0.3366)

Conversions

Conversions Part 1

Format	Color
Hex	A4918C
RGB	164, 145, 140
RGB Percent	64%, 57%, 55%
CMY	0.3569, 0.4314, 0.4509
CMYK	0.00, 0.12, 0.15, 0.36
HSL	12°, 12%, 60%
HSV	12°, 15%, 64%
XYZ	30.1707, 30.0368, 29.0284
YIQ	150.1110, 12.9290, 2.4730

Conversions

Conversions Part 2

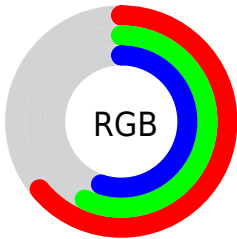
Format	Color
RYB	164, 146, 140
Decimal	10785164
CIELab	61.69, 6.22, 5.22
CIELCh	62, 8.123, 39.987
Yxy	30.0368, 0.3381, 0.3366
Android (android.graphics.Color)	4288975244 (0xFFA4918C)
YUV	150.1110, -4.9847, 12.1807
Hunter-Lab	54.8058, 2.3542, 6.9606

Details

The Yxy color **30.0368, 0.3381, 0.3366** is a light color, and the websafe version is hex **999999**. A complement of this color would be **33.0641, 0.2908, 0.3213**, and the grayscale version is **30.5676, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.8020, 0.3324, 0.3348**, and **12.3673, 0.3469, 0.3399** is the 20% darker color. If you saturate the color by 10%, you get **25.8420, 0.3599, 0.3422**, and if you desaturate by 10%, it is **34.7608, 0.3200, 0.3313**.

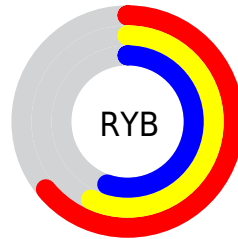
Distribution



Red (64%)

Green (57%)

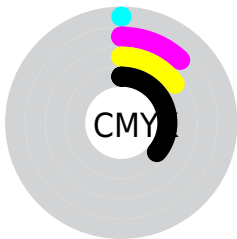
Blue (55%)



Red (64%)

Yellow (57%)

Blue (55%)

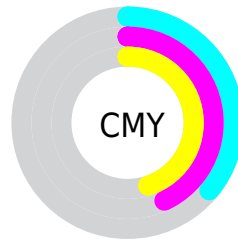


Cyan (0%)

Magenta (12%)

Yellow (15%)

Black (36%)



Cyan (36%)


Magenta (43%)


Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.0368, 0.3381, 0.3366 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 30.0368, 0.3381, 0.3366 by changing the saturation by 10% instead.


 30.0368, 0.3381,
0.3366


 30.0368, 0.3381,
0.3366


302.0759, 0.3244,
0.3327


 19.8665, 0.3419,
0.3376


 59.7204, 0.3329,
0.3351

 12.2981, 0.3470,
0.3390


 80.0025, 0.3310,
0.3346

 6.9470, 0.3543,
0.3409


 104.4239, 0.3294,
0.3341

 3.4290, 0.3655,
0.3435

133.3692, 0.3281,
0.3337

 1.3596, 0.3849,
0.3477

167.2226, 0.3270,
0.3334

 0.1866, 0.6383,
0.3617

206.3686, 0.3260,

 0.0000, 0.0000,

0.3331

0.0000

251.1916, 0.3252,
0.3329

■ 30.0368, 0.3381,
0.3366

■ 30.0368, 0.3381,
0.3366

■ 25.8420, 0.3599,
0.3422

■ 34.7608, 0.3200,
0.3313

■ 22.1541, 0.3859,
0.3479

■ 40.0276, 0.3050,
0.3264

■ 18.9549, 0.4166,
0.3534

■ 45.8552, 0.2925,
0.3219

■ 16.2235, 0.4520,
0.3581

■ 52.2596, 0.2820,
0.3178

■ 13.9377, 0.4910,
0.3613

■ 59.2560, 0.2732,
0.3141

■ 12.0734, 0.5316,
0.3620

■ 66.8593, 0.2658,
0.3107

■ 10.6039, 0.5697,
0.3594

■ 75.0836, 0.2595,
0.3077

■ 9.4994, 0.6007,
0.3533

■ 82.8530, 0.2615,
0.3222

■ 9.0383, 0.6149,
0.3499

■ 86.6327, 0.2624,
0.3289

Harmonies

Analogous

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



30.0368, 0.3318, 0.3252



30.0368, 0.3381, 0.3366



30.0368, 0.3374, 0.3463

Triad

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



30.0368, 0.3381, 0.3366



30.0368, 0.3049, 0.3437



30.0368, 0.2954, 0.3069

Complementary

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



30.0368, 0.3381, 0.3366



33.0641, 0.2908, 0.3213

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.



30.0368, 0.2885, 0.3113



30.0368, 0.3381, 0.3366



30.0368, 0.2939, 0.3325

Square

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



30.0368, 0.3381, 0.3366



30.0368, 0.3181, 0.3508



30.0368, 0.2880, 0.3206



30.0368, 0.3070, 0.3083

Rectangle

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



30.0368, 0.3381, 0.3366



30.0368, 0.3332, 0.3505



30.0368, 0.2880, 0.3206



30.0368, 0.2925, 0.3077

Sweetspot

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



30.0381, 0.3381, 0.3366



63.5890, 0.3191, 0.3310



29.1672, 0.3192, 0.3006



13.7581, 0.3203, 0.3314



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



30.0381, 0.3381, 0.3366



51.5798, 0.3457, 0.3387



33.8366, 0.3356, 0.3541



7.3131, 0.3280, 0.3337



6.9881, 0.6134, 0.3511



0.2076, 0.5523, 0.3996

Inverse Universe

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



33.0641, 0.2908, 0.3213



58.2932, 0.2853, 0.3191



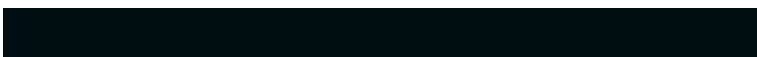
29.1940, 0.2901, 0.3026



7.7606, 0.2988, 0.3242



14.3608, 0.2062, 0.2623



0.3612, 0.2136, 0.2890

Previews

White Background



This preview shows how the Yxy color 30.0368, 0.3381, 0.3366 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 30.0368, 0.3381, 0.3366 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 30.0368, 0.3381, 0.3366

Background



This preview shows how black text looks on a background with the Yxy color 30.0368, 0.3381, 0.3366.



This preview shows how white text looks on a background with the Yxy color 30.0368, 0.3381, 0.3366.

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

30.0368, 0.3381, 0.3366

Protanopia

29.9051, 0.3237, 0.3384

Deuteranopia

30.0555, 0.3416, 0.3351



Tritanopia

30.0850, 0.3262, 0.3128

Trichromacy



Original Color

30.0368, 0.3381, 0.3366

Protanomaly

29.9586, 0.3291, 0.3383

Deuteranomaly

29.9470, 0.3405, 0.3351

Tritanomaly

30.1158, 0.3301, 0.3216

Monochromacy



Original Color

30.0368, 0.3381, 0.3366

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

30.2237, 0.3219, 0.3321

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.0368, 0.3381, 0.3366 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(164, 145, 140)` looks like.

```
.text, #text, p{  
    color:rgb(164, 145, 140)  
}
```

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(164, 145, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 145, 140) }
```

Border

The CSS property to change the border of an element to Yxy 30.0368, 0.3381, 0.3366 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(164, 145, 140) }
```

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

```
.border{ border-color:rgb(164, 145, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 145, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 145, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 145, 140);  
box-shadow:4px 4px 4px 4px rgb(164, 145,  
140) }
```


Background

The CSS property to change the background color of an element to Yxy 30.0368, 0.3381, 0.3366 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 145, 140) }
```

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

```
.background{ background-color: rgb(164,  
145, 140) }
```

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