

Converting Colors

$Y_{xy}(30.4025, 0.2917, 0.2951)$

Have a look what the booklet for
Yxy(30.4025, 0.2917, 0.2951)
contains.

Yxy(30.4160, 0.2917, 0.2942)	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(30.4160, 0.2917, 0.2942)

Conversions

Conversions Part 1

Format	Color
Hex	9494AB
RGB	148, 148, 171
RGB Percent	58%, 58%, 67%
CMY	0.4195, 0.4196, 0.3294
CMYK	0.13, 0.13, 0.00, 0.33
HSL	240°, 12%, 63%
HSV	240°, 13%, 67%
XYZ	30.1575, 30.4160, 42.8119
YIQ	150.6220, -7.3830, 7.1530

Conversions

Conversions Part 2

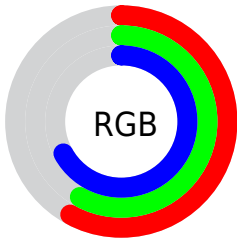
Format	Color
RYB	148, 148, 171
Decimal	9737387
CIELab	62.01, 4.77, -12.02
CIElCh	62, 12.930, 291.652
Yxy	30.4160, 0.2917, 0.2942
Android (android.graphics.Color)	4287927467 (0xFF9494AB)
YUV	150.6220, 10.0464, -2.2995
Hunter-Lab	55.1507, 1.0937, -7.4196

Details

The Yxy color **30.4160, 0.2917, 0.2942** is a light color, and the websafe version is hex **999999**. A complement of this color would be **39.9206, 0.3324, 0.3616**, and the grayscale version is **30.7386, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.2886, 0.2961, 0.3015**, and **12.4227, 0.2839, 0.2814** is the 20% darker color. If you saturate the color by 10%, you get **23.9664, 0.2737, 0.2645**, and if you desaturate by 10%, it is **37.8956, 0.3077, 0.3206**.

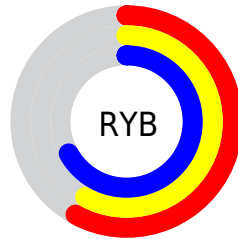
Distribution



Red (58%)

Green (58%)

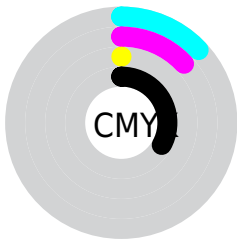
Blue (67%)



Red (58%)

Yellow (58%)

Blue (67%)

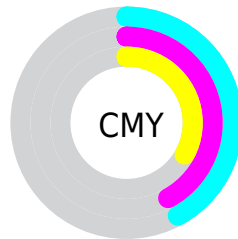


Cyan (13%)

Magenta (13%)

Yellow (0%)

Black (33%)



Cyan (42%)

Magenta (42%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.4160, 0.2917, 0.2942 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 30.4160, 0.2917, 0.2942 by changing the saturation by 10% instead.

■ 30.4160, 0.2917,
0.2942

■ 30.4160, 0.2917,
0.2942

■ 303.8387, 0.3030,
0.3126

■ 20.1546, 0.2886,
0.2893

■ 60.3194, 0.2960,
0.3011

■ 12.5074, 0.2845,
0.2828

■ 80.7302, 0.2976,
0.3036

■ 7.0903, 0.2786,
0.2737

■ 105.2929, 0.2988,
0.3057

■ 3.5186, 0.2698,
0.2604

■ 134.3919, 0.2999,
0.3075

■ 1.4081, 0.2549,
0.2388

■ 168.4116, 0.3009,
0.3090

■ 0.2227, 0.2003,
0.1359

■ 207.7364, 0.3017,

■ 0.0000, 0.0000,

0.3104

0.0000

252.7506, 0.3024,
0.3115

■ 30.4160, 0.2917,
0.2942

■ 30.4160, 0.2917,
0.2942

■ 23.9664, 0.2737,
0.2645

■ 37.8956, 0.3077,
0.3206

■ 18.4980, 0.2540,
0.2318

■ 46.4434, 0.3216,
0.3438

■ 13.9640, 0.2331,
0.1972

■ 56.1005, 0.3337,
0.3638

■ 10.3122, 0.2119,
0.1621

■ 66.9045, 0.3441,
0.3810

■ 7.4850, 0.1919,
0.1290

■ 78.8915, 0.3531,
0.3958

■ 5.4185, 0.1746,
0.1005

■ 92.0957, 0.3607,
0.4085

■ 4.0390, 0.1615,
0.0789

■ 95.7205, 0.3626,
0.4115

■ 3.2584, 0.1535,
0.0656

■ 2.9422, 0.1501,
0.0600

Harmonies

Analogous

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



30.4160, 0.2778, 0.2972



30.4160, 0.2917, 0.2942



30.4160, 0.3116, 0.2999

Triad

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



30.4160, 0.2917, 0.2942



30.4160, 0.3541, 0.3471



30.4160, 0.2928, 0.3460

Complementary

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



30.4160, 0.2917, 0.2942



39.9206, 0.3324, 0.3616

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.



30.4160, 0.3127, 0.3607



30.4160, 0.2917, 0.2942



30.4160, 0.3485, 0.3606

Square

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



30.4160, 0.2917, 0.2942



30.4160, 0.3482, 0.3297



30.4160, 0.3332, 0.3659



30.4160, 0.2784, 0.3267

Rectangle

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



30.4160, 0.2917, 0.2942



30.4160, 0.3257, 0.3078



30.4160, 0.3332, 0.3659



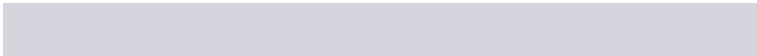
30.4160, 0.2990, 0.3517

Sweetspot

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



30.4173, 0.2917, 0.2942



66.9869, 0.3067, 0.3191



38.3639, 0.2926, 0.3289



14.7054, 0.3056, 0.3173



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



30.4173, 0.2917, 0.2942



51.0234, 0.2868, 0.2861



31.5407, 0.3028, 0.2953



7.7578, 0.2986, 0.3056



2.2180, 0.1501, 0.0600



0.0619, 0.1503, 0.0602

Inverse Universe

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



32.7758, 0.3143, 0.2966



56.0360, 0.3146, 0.2896



38.6881, 0.3216, 0.3627



8.1479, 0.3138, 0.3067



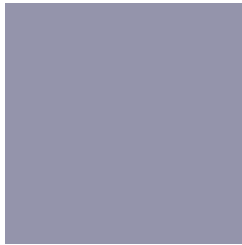
8.7358, 0.3213, 0.1544



0.2431, 0.3212, 0.1543

Previews

White Background



This preview shows how the Yxy color 30.4160, 0.2917, 0.2942 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 30.4160, 0.2917, 0.2942 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

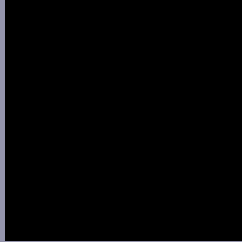
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.4160, 0.2917, 0.2942

Background



This preview shows how black text looks on a background with the Yxy color 30.4160, 0.2917, 0.2942.



This preview shows how white text looks on a background with the Yxy color 30.4160, 0.2917, 0.2942.

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

30.4160, 0.2917, 0.2942

Protanopia

30.5462, 0.2898, 0.2956

Deuteranopia

30.3681, 0.2974, 0.2918



Tritanopia

30.4969, 0.2986, 0.3120

Trichromacy



Original Color

30.4160, 0.2917, 0.2942

Protanomaly

30.6382, 0.2908, 0.2957

Deuteranomaly

30.4831, 0.2955, 0.2931

Tritanomaly

30.4145, 0.2960, 0.3045

Monochromacy



Original Color

30.4160, 0.2917, 0.2942

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

30.7653, 0.3053, 0.3167

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.4160, 0.2917, 0.2942 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(148, 148, 171)` looks like.

```
.text, #text, p{  
    color:rgb(148, 148, 171)  
}
```

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(148, 148, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 148, 171) }
```

Border

The CSS property to change the border of an element to Yxy 30.4160, 0.2917, 0.2942 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(148, 148, 171) }
```

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

```
.border{ border-color:rgb(148, 148, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 148, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 148, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 148, 171);  
box-shadow:4px 4px 4px 4px rgb(148, 148,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 30.4160, 0.2917, 0.2942 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 148, 171) }
```

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

```
.background{ background-color: rgb(148,  
148, 171) }
```

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