

Converting Colors

$Y_{xy}(44.7516, 0.2954, 0.3017)$

Have a look what the booklet for
Yxy(44.7516, 0.2954, 0.3017)
contains.

Yxy(44.7516, 0.2954, 0.3017)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(44.7516, 0.2954, 0.3017)

Conversions

Conversions Part 1

Format	Color
Hex	B0B1C6
RGB	176, 177, 198
RGB Percent	69%, 69%, 78%
CMY	0.3099, 0.3058, 0.2235
CMYK	0.11, 0.11, 0.00, 0.22
HSL	237°, 16%, 73%
HSV	237°, 11%, 78%
XYZ	43.8171, 44.7516, 59.7627
YIQ	179.0950, -7.3370, 6.3190

Conversions

Conversions Part 2

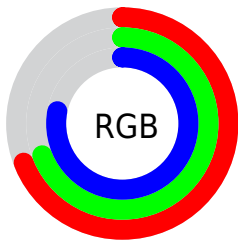
Format	Color
R _Y B	176, 177, 198
Decimal	11579846
CIE Lab	72.73, 3.80, -10.77
CIE LCh	73, 11.425, 289.451
Yxy	44.7516, 0.2954, 0.3017
Android (android.graphics.Color)	4289769926 (0xFFB0B1C6)
YUV	179.0950, 9.3202, -2.7143
Hunter-Lab	66.8966, -0.1521, -6.1396

Details

The Yxy color `44.7516, 0.2954, 0.3017` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `55.0670, 0.3293, 0.3549`, and the grayscale version is `45.0846, 0.3127, 0.3290`.

A 20% lighter version of the original color is `82.6536, 0.2986, 0.3068`, and `20.6399, 0.2901, 0.2934` is the 20% darker color. If you saturate the color by 10%, you get `35.6628, 0.2778, 0.2738`, and if you desaturate by 10%, it is `55.2122, 0.3111, 0.3264`.

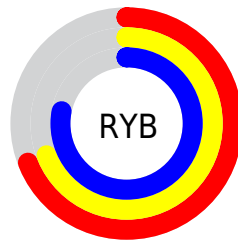
Distribution



Red (69%)

Green (69%)

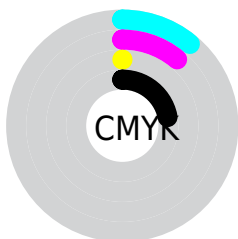
Blue (78%)



Red (69%)

Yellow (69%)

Blue (78%)

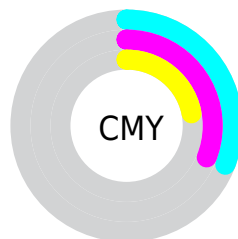


Cyan (11%)

Magenta (11%)

Yellow (0%)

Black (22%)



Cyan (31%)

Magenta (31%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.7516, 0.2954, 0.3017 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 44.7516, 0.2954, 0.3017 by changing the saturation by 10% instead.

■ 44.7516, 0.2954,
0.3017

■ 44.7516, 0.2954,
0.3017

365.7666, 0.3041,
0.3153

■ 31.2618, 0.2932,
0.2983

■ 82.3475, 0.2986,
0.3066

■ 20.7983, 0.2904,
0.2940

107.2225, 0.2998,
0.3085

■ 12.9766, 0.2866,
0.2883

136.6613, 0.3008,
0.3100

■ 7.4125, 0.2812,
0.2804

171.0483, 0.3017,
0.3114

■ 3.7214, 0.2732,
0.2686

210.7679, 0.3024,
0.3126

■ 1.5190, 0.2598,
0.2496

256.2046, 0.3031,

■ 0.3020, 0.2148,

0.3136

0.1707

307.7427, 0.3036,
0.3145

0.0000, 0.0000,
0.0000

44.7516, 0.2954,
0.3017

44.7516, 0.2954,
0.3017

35.6628, 0.2778,
0.2738

55.2122, 0.3111,
0.3264

27.8836, 0.2585,
0.2429

67.0923, 0.3248,
0.3480

21.3554, 0.2379,
0.2096

80.4442, 0.3368,
0.3666

16.0128, 0.2169,
0.1754

95.2808, 0.3471,
0.3827

11.7846, 0.1967,
0.1421

96.8579, 0.3466,
0.3850

■ 8.5920, 0.1788,
0.1121

■ 6.3456, 0.1647,
0.0878

■ 4.9413, 0.1553,
0.0710

■ 4.2789, 0.1508,
0.0627

Harmonies

Analogous

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



44.7516, 0.2849, 0.3047



44.7516, 0.2954, 0.3017



44.7516, 0.3107, 0.3056

Triad

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



44.7516, 0.2954, 0.3017



44.7516, 0.3448, 0.3424



44.7516, 0.2983, 0.3432

Complementary

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



44.7516, 0.2954, 0.3017



55.0670, 0.3293, 0.3549

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.



44.7516, 0.3141, 0.3540



44.7516, 0.2954, 0.3017



44.7516, 0.3411, 0.3531

Square

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



44.7516, 0.2954, 0.3017



44.7516, 0.3395, 0.3287



44.7516, 0.3298, 0.3575



44.7516, 0.2865, 0.3285

Rectangle

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



44.7516, 0.2954, 0.3017



44.7516, 0.3217, 0.3116



44.7516, 0.3298, 0.3575



44.7516, 0.3033, 0.3474

Sweetspot

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



44.7535, 0.2954, 0.3017



94.0130, 0.3082, 0.3219



53.6497, 0.2966, 0.3303



19.7886, 0.3070, 0.3200



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



44.7535, 0.2954, 0.3017



75.7152, 0.2919, 0.2962



45.5463, 0.3037, 0.3011



10.3657, 0.2983, 0.3062



2.8171, 0.1509, 0.0634



0.1618, 0.1542, 0.0752

Inverse Universe

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



46.2249, 0.3315, 0.3278



78.7722, 0.3355, 0.3275



54.2325, 0.3210, 0.3568



10.6448, 0.3282, 0.3280



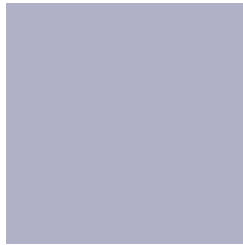
7.8244, 0.6344, 0.3268



0.3733, 0.6148, 0.3160

Previews

White Background



This preview shows how the Yxy color 44.7516, 0.2954, 0.3017 looks on a white background.

Color Contrast Check

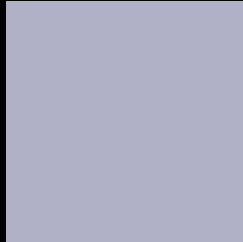
Large Text (above 18pt) WCAG AA × Fail

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 44.7516, 0.2954, 0.3017 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

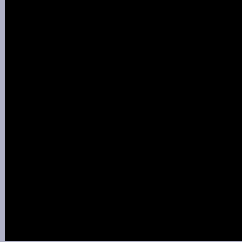
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.7516, 0.2954, 0.3017

Background



This preview shows how black text looks on a background with the Yxy color 44.7516, 0.2954, 0.3017.



This preview shows how white text looks on a background with the Yxy color 44.7516, 0.2954, 0.3017.

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

44.7516, 0.2954, 0.3017

Protanopia

44.7516, 0.2954, 0.3017

Deuteranopia

44.8347, 0.3030, 0.2973



Tritanopia

44.7605, 0.2992, 0.3106

Trichromacy



Original Color

44.7516, 0.2954, 0.3017

Protanomaly

44.7516, 0.2954, 0.3017

Deuteranomaly

44.7285, 0.2996, 0.2983

Tritanomaly

44.8498, 0.2976, 0.3080

Monochromacy



Original Color

44.7516, 0.2954, 0.3017

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

44.8509, 0.3063, 0.3185

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.7516, 0.2954, 0.3017 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(176, 177, 198)` looks like.

```
.text, #text, p{  
    color:rgb(176, 177, 198)  
}
```

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(176, 177, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 177, 198) }
```

Border

The CSS property to change the border of an element to Yxy 44.7516, 0.2954, 0.3017 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(176, 177, 198) }
```

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

```
.border{ border-color:rgb(176, 177, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 177, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 177, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 177, 198);  
box-shadow:4px 4px 4px 4px rgb(176, 177,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 44.7516, 0.2954, 0.3017 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 177, 198) }
```

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

```
.background{ background-color: rgb(176,  
177, 198) }
```

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](#).

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