

Converting Colors

$Y_{xy}(38.7897, 0.2834, 0.2809)$

Have a look what the booklet for
Yxy(38.7897, 0.2834, 0.2809)
contains.

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Color

Yxy(38.6136, 0.2834, 0.2805)

Conversions

Conversions Part 1

Format	Color
Hex	A4A4C8
RGB	164, 164, 200
RGB Percent	64%, 64%, 78%
CMY	0.3568, 0.3569, 0.2157
CMYK	0.18, 0.18, 0.00, 0.22
HSL	240°, 25%, 71%
HSV	240°, 18%, 78%
XYZ	39.0128, 38.6136, 60.0335
YIQ	168.1040, -11.5560, 11.1960

Conversions

Conversions Part 2

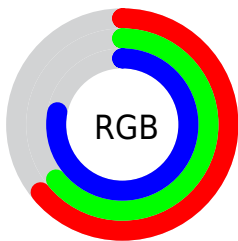
Format	Color
RYB	164, 164, 200
Decimal	10790088
CIELab	68.47, 7.49, -18.36
CIElCh	68, 19.829, 292.192
Yxy	38.6136, 0.2834, 0.2805
Android (android.graphics.Color)	4288980168 (0xFFA4A4C8)
YUV	168.1040, 15.7247, -3.5992
Hunter-Lab	62.1398, 3.3217, -13.7823

Details

The Yxy color **38.6136, 0.2834, 0.2805** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **56.2585, 0.3395, 0.3733**, and the grayscale version is **39.1393, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.9431, 0.2899, 0.2913**, and **17.1084, 0.2746, 0.2659** is the 20% darker color. If you saturate the color by 10%, you get **30.0489, 0.2643, 0.2489**, and if you desaturate by 10%, it is **48.6412, 0.3005, 0.3088**.

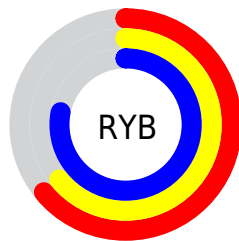
Distribution



Red (64%)

Green (64%)

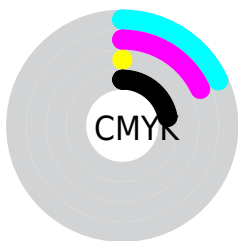
Blue (78%)



Red (64%)

Yellow (64%)

Blue (78%)

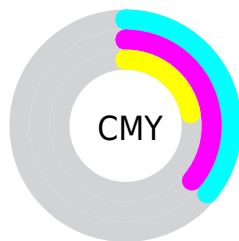


Cyan (18%)

Magenta (18%)

Yellow (0%)

Black (22%)



Cyan (36%)

Magenta (36%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.6136, 0.2834, 0.2805 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 38.6136, 0.2834, 0.2805 by changing the saturation by 10% instead.

■ 38.6136, 0.2834,
0.2805

■ 38.6136, 0.2834,
0.2805

340.2449, 0.2985,
0.3049

■ 26.4593, 0.2795,
0.2744

■ 73.0477, 0.2890,
0.2894

■ 17.1675, 0.2744,
0.2665

■ 96.0962, 0.2911,
0.2927

■ 10.3540, 0.2675,
0.2561

123.5449, 0.2928,
0.2955

■ 5.6343, 0.2576,
0.2416

155.7781, 0.2943,
0.2979

■ 2.6240, 0.2425,
0.2201

193.1804, 0.2956,
0.3000

■ 0.9388, 0.2168,
0.1857

236.1360, 0.2967,

■ 0.0000, 0.0194,

0.3019

0.0000

285.0294, 0.2977,
0.3035

0.0000, 0.0000,
0.0000

38.6136, 0.2834,
0.2805

38.6136, 0.2834,
0.2805

30.0489, 0.2643,
0.2489

48.6412, 0.3005,
0.3088

22.8742, 0.2437,
0.2148

60.1904, 0.3156,
0.3337

17.0178, 0.2222,
0.1793

73.3228, 0.3286,
0.3553

12.3994, 0.2012,
0.1446

88.0947, 0.3399,
0.3739

8.9301, 0.1822,
0.1132

96.9496, 0.3454,
0.3830

■ 6.5093, 0.1669,
0.0878

■ 5.0189, 0.1564,
0.0705

■ 4.2833, 0.1509,
0.0614

■ 4.1705, 0.1500,
0.0600

Harmonies

Analogous

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



38.6136, 0.2640, 0.2840



38.6136, 0.2834, 0.2805



38.6136, 0.3114, 0.2887

Triad

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



38.6136, 0.2834, 0.2805



38.6136, 0.3716, 0.3543



38.6136, 0.2839, 0.3528

Complementary

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



38.6136, 0.2834, 0.2805



56.2585, 0.3395, 0.3733

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.



38.6136, 0.3118, 0.3743



38.6136, 0.2834, 0.2805



38.6136, 0.3630, 0.3736

Square

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



38.6136, 0.2834, 0.2805



38.6136, 0.3635, 0.3299



38.6136, 0.3409, 0.3817



38.6136, 0.2643, 0.3247

Rectangle

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



38.6136, 0.2834, 0.2805



38.6136, 0.3315, 0.2997



38.6136, 0.3409, 0.3817



38.6136, 0.2926, 0.3612

Sweetspot

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



38.6152, 0.2834, 0.2805



89.7962, 0.3051, 0.3165



53.3657, 0.2859, 0.3289



18.9250, 0.3040, 0.3146



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.



38.6152, 0.2834, 0.2805



60.1545, 0.2754, 0.2672



40.6646, 0.2988, 0.2826



10.2878, 0.2983, 0.3051



2.6522, 0.1500, 0.0600



0.1257, 0.1501, 0.0601

Inverse Universe

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



42.9970, 0.3148, 0.2849



69.2784, 0.3153, 0.2741



53.9284, 0.3247, 0.3754



10.8165, 0.3138, 0.3063



10.4552, 0.3211, 0.1542



0.4951, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 38.6136, 0.2834, 0.2805 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 38.6136, 0.2834, 0.2805 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

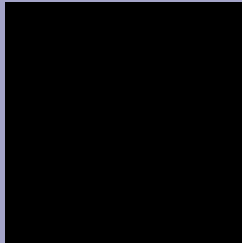
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.6136, 0.2834, 0.2805

Background



This preview shows how black text looks on a background with the Yxy color 38.6136, 0.2834, 0.2805.



This preview shows how white text looks on a background with the Yxy color 38.6136, 0.2834, 0.2805.

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

38.6136, 0.2834, 0.2805

Protanopia

38.4982, 0.2786, 0.2801

Deuteranopia

38.5800, 0.2858, 0.2795



Tritanopia

38.5507, 0.2958, 0.3093

Trichromacy



Original Color

38.6136, 0.2834, 0.2805

Protanomaly

38.7044, 0.2802, 0.2803

Deuteranomaly

38.4715, 0.2850, 0.2793

Tritanomaly

38.5847, 0.2910, 0.2985

Monochromacy



Original Color

38.6136, 0.2834, 0.2805

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

39.1482, 0.3018, 0.3110

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.6136, 0.2834, 0.2805 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, 164, 200)` looks like.

```
.text, #text, p{  
    color:rgb(164, 164, 200)  
}
```

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, 164, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 164, 200) }
```

Border

The CSS property to change the border of an element to Yxy 38.6136, 0.2834, 0.2805 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, 164, 200) }
```

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

```
.border{ border-color:rgb(164, 164, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 164, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 164, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 164, 200);  
box-shadow:4px 4px 4px 4px rgb(164, 164,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 38.6136, 0.2834, 0.2805 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 164, 200) }
```

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

```
.background{ background-color: rgb(164,  
164, 200) }
```

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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