

Converting Colors

$Yxy(37.6381, 0.2805, 0.2578)$

Have a look what the booklet for
Yxy(37.6381, 0.2805, 0.2578)
contains.

Yxy(37.6381, 0.2805, 0.2578)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(37.6381, 0.2805, 0.2578)

Conversions

Conversions Part 1

Format	Color
Hex	AC9DD4
RGB	172, 157, 212
RGB Percent	67%, 62%, 83%
CMY	0.3256, 0.3843, 0.1685
CMYK	0.19, 0.26, 0.00, 0.17
HSL	256°, 39%, 72%
HSV	256°, 26%, 83%
XYZ	40.9522, 37.6381, 67.4069
YIQ	167.7550, -8.7150, 20.2850

Conversions

Conversions Part 2

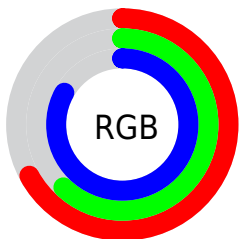
Format	Color
RYB	172, 157, 212
Decimal	11312596
CIELab	67.75, 16.64, -26.05
CIELCh	68, 30.914, 302.565
Yxy	37.6381, 0.2805, 0.2578
Android (android.graphics.Color)	4289502676 (0xFFAC9DD4)
YUV	167.7550, 21.8128, 3.7229
Hunter-Lab	61.3499, 11.7899, -22.1987

Details

The Yxy color **37.6381, 0.2805, 0.2578** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **61.4090, 0.3397, 0.3960**, and the grayscale version is **38.9259, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.8009, 0.2958, 0.2846**, and **16.6643, 0.2707, 0.2393** is the 20% darker color. If you saturate the color by 10%, you get **29.4310, 0.2651, 0.2263**, and if you desaturate by 10%, it is **47.2959, 0.2943, 0.2873**.

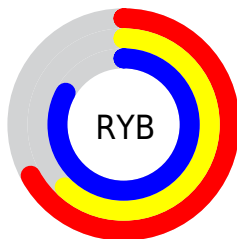
Distribution



Red (67%)

Green (62%)

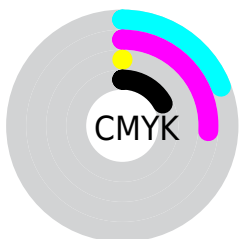
Blue (83%)



Red (67%)

Yellow (62%)

Blue (83%)

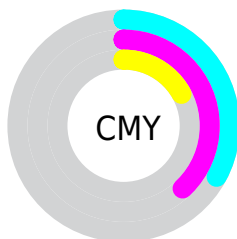


Cyan (19%)

Magenta (26%)

Yellow (0%)

Black (17%)



Cyan (33%)

Magenta (38%)

Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.6381, 0.2805, 0.2578 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 37.6381, 0.2805, 0.2578 by changing the saturation by 10% instead.

■ 37.6381, 0.2805,
0.2578

■ 37.6381, 0.2805,
0.2578

■ 336.0650, 0.2974,
0.2929

■ 25.7019, 0.2761,
0.2492

■ 71.5531, 0.2868,
0.2704

■ 16.6008, 0.2703,
0.2384

■ 94.3007, 0.2891,
0.2752

■ 9.9503, 0.2624,
0.2242

■ 121.4209, 0.2911,
0.2793

■ 5.3660, 0.2512,
0.2051

■ 153.2982, 0.2927,
0.2828

■ 2.4636, 0.2341,
0.1780

■ 190.3168, 0.2941,
0.2858

■ 0.8583, 0.2056,
0.1377

■ 232.8612, 0.2954,

■ 0.0000, 0.0919,

0.2885

0.0000

281.3158, 0.2965,
0.2908

0.0000, 0.0000,
0.0000

37.6381, 0.2805,
0.2578

37.6381, 0.2805,
0.2578

29.4310, 0.2651,
0.2263

47.2959, 0.2943,
0.2873

22.5988, 0.2483,
0.1936

58.4660, 0.3063,
0.3143

17.0656, 0.2306,
0.1613

71.2121, 0.3167,
0.3385

12.7463, 0.2130,
0.1313

85.5927, 0.3256,
0.3600

9.5452, 0.1963,
0.1054

96.4400, 0.3343,
0.3716

■ 7.3517, 0.1817,
0.0856

■ 97.5345, 0.3381,
0.3710

■ 6.0296, 0.1701,
0.0728

■ 5.6451, 0.1662,
0.0689

Harmonies

Analogous

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



37.6381, 0.2460, 0.2558



37.6381, 0.2805, 0.2578



37.6381, 0.3264, 0.2756

Triad

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



37.6381, 0.2805, 0.2578



37.6381, 0.4034, 0.3779



37.6381, 0.2553, 0.3512

Complementary

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



37.6381, 0.2805, 0.2578



61.4090, 0.3397, 0.3960

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.



37.6381, 0.2944, 0.3926



37.6381, 0.2805, 0.2578



37.6381, 0.3806, 0.4051

Square

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



37.6381, 0.2805, 0.2578



37.6381, 0.4004, 0.3418



37.6381, 0.3403, 0.4125



37.6381, 0.2322, 0.3059

Rectangle

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



37.6381, 0.2805, 0.2578



37.6381, 0.3574, 0.2945



37.6381, 0.3403, 0.4125



37.6381, 0.2669, 0.3664

Sweetspot

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



37.6396, 0.2805, 0.2578



84.9597, 0.3039, 0.3087



52.0155, 0.2732, 0.3100



17.6169, 0.3021, 0.3047



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.



37.6396, 0.2805, 0.2578



50.1840, 0.2724, 0.2410



41.0387, 0.3042, 0.2626



12.1706, 0.3023, 0.3052



3.5270, 0.1674, 0.0696



0.2537, 0.1858, 0.0797

Inverse Universe

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



42.1504, 0.3290, 0.2813



58.2021, 0.3332, 0.2711



58.0607, 0.3187, 0.4007



12.5723, 0.3179, 0.3122



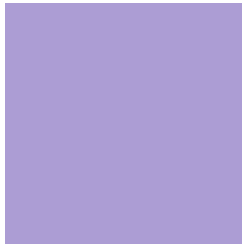
10.1053, 0.4037, 0.1998



0.6231, 0.3862, 0.1901

Previews

White Background



This preview shows how the Yxy color 37.6381, 0.2805, 0.2578 looks on a white background.

Color Contrast Check

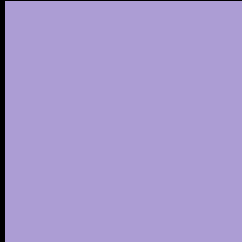
Large Text (above 18pt) WCAG AA × Fail

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 37.6381, 0.2805, 0.2578 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

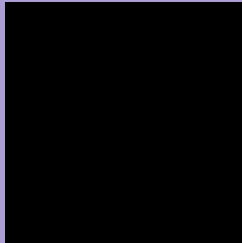
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.6381, 0.2805, 0.2578

Background



This preview shows how black text looks on a background with the Yxy color 37.6381, 0.2805, 0.2578.



This preview shows how white text looks on a background with the Yxy color 37.6381, 0.2805, 0.2578.

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

37.6381, 0.2805, 0.2578

Protanopia

37.7834, 0.2610, 0.2569

Deuteranopia

37.7119, 0.2695, 0.2634



Tritanopia

37.8322, 0.3035, 0.3108

Trichromacy



Original Color

37.6381, 0.2805, 0.2578

Protanomaly

37.7670, 0.2682, 0.2576

Deuteranomaly

37.5261, 0.2733, 0.2614

Tritanomaly

37.5323, 0.2945, 0.2895

Monochromacy



Original Color

37.6381, 0.2805, 0.2578

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

38.4466, 0.3003, 0.3016

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.6381, 0.2805, 0.2578 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(172, 157, 212)` looks like.

```
.text, #text, p{  
    color:rgb(172, 157, 212)  
}
```

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(172, 157, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 157, 212) }
```

Border

The CSS property to change the border of an element to Yxy 37.6381, 0.2805, 0.2578 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(172, 157, 212) }
```

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

```
.border{ border-color:rgb(172, 157, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 157, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 157, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 157, 212);  
box-shadow:4px 4px 4px 4px rgb(172, 157,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 37.6381, 0.2805, 0.2578 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 157, 212) }
```

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

```
.background{ background-color: rgb(172,  
157, 212) }
```

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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