

Converting Colors

$Y_{xy}(37.6115, 0.2587, 0.2314)$

Have a look what the booklet for
Yxy(37.6115, 0.2587, 0.2314)
contains.

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Color

Yxy(37.6100, 0.2587, 0.2314)

Conversions

Conversions Part 1

Format	Color
Hex	A49CEA
RGB	164, 156, 234
RGB Percent	64%, 61%, 92%
CMY	0.3569, 0.3882, 0.0824
CMYK	0.30, 0.33, 0.00, 0.08
HSL	246°, 65%, 76%
HSV	246°, 33%, 92%
XYZ	42.0471, 37.6100, 82.8753
YIQ	167.2840, -20.2700, 25.9540

Conversions

Conversions Part 2

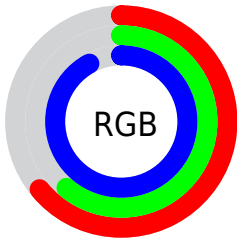
Format	Color
RYB	164, 156, 234
Decimal	10788074
CIELab	67.73, 20.07, -38.24
CIELCh	68, 43.186, 297.687
Yxy	37.6100, 0.2587, 0.2314
Android (android.graphics.Color)	4288978154 (0xFFA49CEA)
YUV	167.2840, 32.8910, -2.8801
Hunter-Lab	61.3270, 15.0613, -37.1937

Details

The Yxy color **37.6100, 0.2587, 0.2314** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **77.4076, 0.3570, 0.4138**, and the grayscale version is **38.6338, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.5288, 0.2903, 0.2817**, and **16.6325, 0.2426, 0.2067** is the 20% darker color. If you saturate the color by 10%, you get **28.4472, 0.2389, 0.1969**, and if you desaturate by 10%, it is **48.6572, 0.2771, 0.2641**.

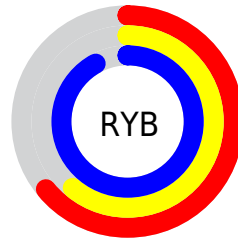
Distribution



Red (64%)

Green (61%)

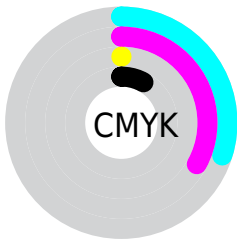
Blue (92%)



Red (64%)

Yellow (61%)

Blue (92%)

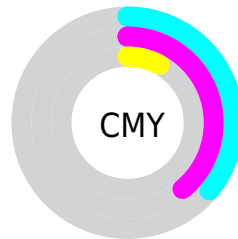


Cyan (30%)

Magenta (33%)

Yellow (0%)

Black (8%)



Cyan (36%)

Magenta (39%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.6100, 0.2587, 0.2314 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 37.6100, 0.2587, 0.2314 by changing the saturation by 10% instead.

37.6100, 0.2587,
0.2314

37.6100, 0.2587,
0.2314

335.9440, 0.2866,
0.2785

25.6801, 0.2516,
0.2203

71.5100, 0.2689,
0.2480

16.5845, 0.2426,
0.2065

94.2489, 0.2728,
0.2544

9.9387, 0.2305,
0.1890

121.3596, 0.2760,
0.2599

5.3583, 0.2140,
0.1662

153.2265, 0.2787,
0.2646

2.4590, 0.1903,
0.1359

190.2340, 0.2811,
0.2688

0.8560, 0.1548,
0.0951

232.7665, 0.2832,

0.0000, 0.0721,

0.2724

0.0000

281.2084, 0.2850,
0.2756

0.0000, 0.0000,
0.0000

37.6100, 0.2587,
0.2314

37.6100, 0.2587,
0.2314

28.4472, 0.2389,
0.1969

48.6572, 0.2771,
0.2641

21.0591, 0.2185,
0.1622

61.6815, 0.2937,
0.2940

15.3315, 0.1987,
0.1295

76.7746, 0.3083,
0.3208

11.1352, 0.1810,
0.1013

94.0213, 0.3210,
0.3444

8.3212, 0.1667,
0.0798

98.7198, 0.3250,
0.3493

■ 6.7109, 0.1570,
0.0666

■ 6.1337, 0.1529,
0.0616

Harmonies

Analogous

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



37.6100, 0.2167, 0.2313



37.6100, 0.2587, 0.2314



37.6100, 0.3198, 0.2520

Triad

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



37.6100, 0.2587, 0.2314



37.6100, 0.4405, 0.3848



37.6100, 0.2404, 0.3706

Complementary

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



37.6100, 0.2587, 0.2314



77.4076, 0.3570, 0.4138

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.



37.6100, 0.2955, 0.4281



37.6100, 0.2587, 0.2314



37.6100, 0.4122, 0.4274

Square

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



37.6100, 0.2587, 0.2314



37.6100, 0.4314, 0.3355



37.6100, 0.3585, 0.4478



37.6100, 0.2066, 0.3041

Rectangle

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



37.6100, 0.2587, 0.2314



37.6100, 0.3643, 0.2751



37.6100, 0.3585, 0.4478



37.6100, 0.2569, 0.3925

Sweetspot

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



37.6115, 0.2587, 0.2314



80.7104, 0.2987, 0.3032



67.5044, 0.2642, 0.3196



16.7397, 0.2966, 0.2993



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.



37.6115, 0.2587, 0.2314



37.8366, 0.2452, 0.2079



42.3871, 0.2899, 0.2395



14.6228, 0.2996, 0.3047



3.4722, 0.1536, 0.0620



0.2975, 0.1618, 0.0665

Inverse Universe

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



46.7607, 0.3234, 0.2539



50.6076, 0.3260, 0.2389



71.8292, 0.3289, 0.4221



15.2856, 0.3154, 0.3081



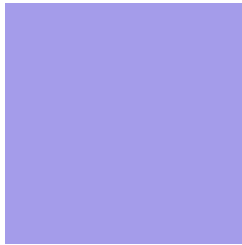
12.4563, 0.3485, 0.1693



0.9858, 0.3442, 0.1670

Previews

White Background



This preview shows how the Yxy color 37.6100, 0.2587, 0.2314 looks on a white background.

Color Contrast Check

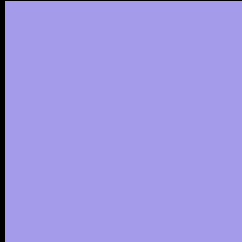
Large Text (above 18pt) WCAG AA × Fail

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 37.6100, 0.2587, 0.2314 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

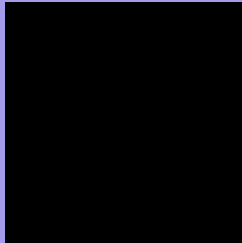
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.6100, 0.2587, 0.2314

Background



This preview shows how black text looks on a background with the Yxy color 37.6100, 0.2587, 0.2314.



This preview shows how white text looks on a background with the Yxy color 37.6100, 0.2587, 0.2314.

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

37.6100, 0.2587, 0.2314

Protanopia

37.6481, 0.2400, 0.2298

Deuteranopia

37.6833, 0.2447, 0.2386



Tritanopia

37.7050, 0.2897, 0.3103

Trichromacy



Original Color

37.6100, 0.2587, 0.2314

Protanomaly

37.6456, 0.2467, 0.2307

Deuteranomaly

37.4144, 0.2490, 0.2349

Tritanomaly

37.5326, 0.2775, 0.2783

Monochromacy



Original Color

37.6100, 0.2587, 0.2314

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

38.0630, 0.2920, 0.2908

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.6100, 0.2587, 0.2314 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, 156, 234)` looks like.

```
.text, #text, p{  
    color:rgb(164, 156, 234)  
}
```

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, 156, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 156, 234) }
```

Border

The CSS property to change the border of an element to Yxy 37.6100, 0.2587, 0.2314 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, 156, 234) }
```

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

```
.border{ border-color:rgb(164, 156, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 156, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 156, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 156, 234);  
box-shadow:4px 4px 4px 4px rgb(164, 156,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 37.6100, 0.2587, 0.2314 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 156, 234) }
```

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

```
.background{ background-color: rgb(164,  
156, 234) }
```

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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