

Converting Colors

$Y_{xy}(47.2304, 0.2512, 0.2405)$

Have a look what the booklet for
Yxy(47.2304, 0.2512, 0.2405)
contains.

| | |
|---|----|
| Yxy(47.3314, 0.2517, 0.2413) | 3 |
| Conversions | 4 |
| Details | 6 |
| Harmonies | 12 |
| Previews | 24 |
| Color Blindness Simulation | 27 |
| CSS Examples | 30 |

Color

Yxy(47.3314, 0.2517, 0.2413)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | A5B3FD |
| RGB | 165, 179, 253 |
| RGB Percent | 65%, 70%, 99% |
| CMY | 0.3528, 0.2981, 0.0079 |
| CMYK | 0.35, 0.29, 0.00, 0.01 |
| HSL | 230°, 96%, 82% |
| HSV | 230°, 35%, 99% |
| XYZ | 49.3714, 47.3314, 99.4489 |
| YIQ | 183.2500, -32.0980, 20.0460 |

Conversions

Conversions Part 2

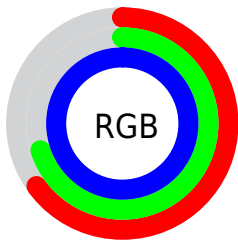
| Format | Color |
|-------------------------------------|---|
| RYB | 165, 177, 253 |
| Decimal | 10859517 |
| CIELab | 74.40, 12.27, -38.18 |
| CIELCh | 74, 40.107, 287.812 |
| Yxy | 47.3314, 0.2517, 0.2413 |
| Android (android.graphics.Color) | 4289049597 (0xFFA5B3FD) |
| YUV | 183.2500, 34.3867, -16.0053 |
| Hunter-Lab | 68.7978, 7.7008, -37.5466 |

Details

The Yxy color **47.3314, 0.2517, 0.2413** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **85.3531, 0.3696, 0.4036**, and the grayscale version is **47.3238, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.1663, 0.2923, 0.3084**, and **22.4793, 0.2357, 0.2209** is the 20% darker color. If you saturate the color by 10%, you get **36.9989, 0.2317, 0.2107**, and if you desaturate by 10%, it is **59.5211, 0.2710, 0.2699**.

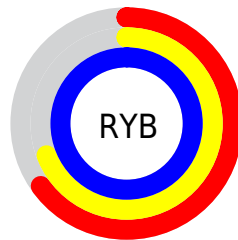
Distribution



Red (65%)

Green (70%)

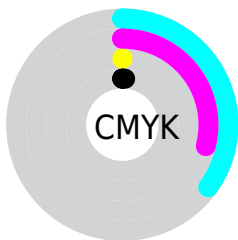
Blue (99%)



Red (65%)

Yellow (69%)

Blue (99%)

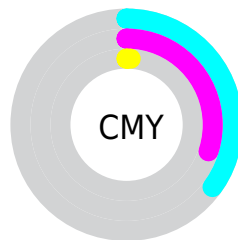


Cyan (35%)

Magenta (29%)

Yellow (0%)

Black (1%)



Cyan (35%)

Magenta (30%)

Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.3314, 0.2517, 0.2413 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 47.3314, 0.2517, 0.2413 by changing the saturation by 10% instead.

■ 47.3314, 0.2517,
0.2413

■ 47.3314, 0.2517,
0.2413

376.1358, 0.2816,
0.2827

■ 33.2977, 0.2445,
0.2318

■ 86.2081, 0.2624,
0.2557

■ 22.3546, 0.2356,
0.2201

■ 111.8199, 0.2664,
0.2613

■ 14.1177, 0.2241,
0.2053

142.0598, 0.2699,
0.2662

■ 8.2026, 0.2088,
0.1863

177.3123, 0.2729,
0.2703

■ 4.2248, 0.1879,
0.1611

217.9618, 0.2755,
0.2740

■ 1.8001, 0.1580,
0.1271

264.3926, 0.2778,

■ 0.4872, 0.1151,

0.2772

0.0736

316.9891, 0.2798,
0.2801

0.0000, 0.0000,
0.0000

47.3314, 0.2517,
0.2413

47.3314, 0.2517,
0.2413

36.9989, 0.2317,
0.2107

59.5211, 0.2710,
0.2699

28.4261, 0.2117,
0.1792

73.6481, 0.2890,
0.2959

21.5148, 0.1930,
0.1483

89.7944, 0.3055,
0.3190

16.1548, 0.1768,
0.1199

99.8709, 0.3139,
0.3309

12.2216, 0.1642,
0.0960

■ 9.5705, 0.1560,
0.0782

■ 8.6169, 0.1532,
0.0714

Harmonies

Analogous

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



47.3314, 0.2211, 0.2485



47.3314, 0.2517, 0.2413



47.3314, 0.3006, 0.2537

Triad

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



47.3314, 0.2517, 0.2413



47.3314, 0.4241, 0.3651



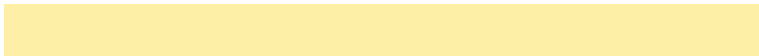
47.3314, 0.2647, 0.3828

Complementary

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



47.3314, 0.2517, 0.2413



85.3531, 0.3696, 0.4036

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.



47.3314, 0.3167, 0.4228



47.3314, 0.2517, 0.2413



47.3314, 0.4104, 0.4048

Square

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



47.3314, 0.2517, 0.2413



47.3314, 0.4046, 0.3216



47.3314, 0.3703, 0.4288



47.3314, 0.2276, 0.3263

Rectangle

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



47.3314, 0.2517, 0.2413



47.3314, 0.3387, 0.2712



47.3314, 0.3703, 0.4288



47.3314, 0.2810, 0.3992

Sweetspot

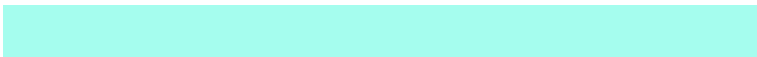
The Sweet Spot groups the original color and five complimentary colors.



47.3332, 0.2517, 0.2413



82.5470, 0.2970, 0.3072



84.4379, 0.2704, 0.3453



17.1798, 0.2947, 0.3039



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.



47.3332, 0.2517, 0.2413



40.3760, 0.2372, 0.2193



45.5350, 0.2704, 0.2300



17.8429, 0.2979, 0.3084



4.7181, 0.1537, 0.0732



0.5868, 0.1585, 0.0905

Inverse Universe

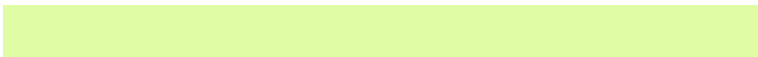
The Inverse Universe completely reimagines the original color for something new.



51.0615, 0.3824, 0.3144



45.1209, 0.4044, 0.3114



88.7544, 0.3451, 0.4222



18.0340, 0.3269, 0.3253



11.2043, 0.6180, 0.3178



1.1038, 0.5905, 0.3026

Previews

White Background



This preview shows how the Yxy color 47.3314, 0.2517, 0.2413 looks on a white background.

Color Contrast Check

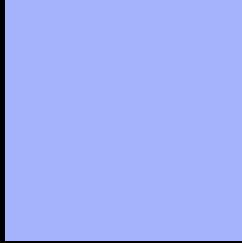
Large Text (above 18pt) WCAG AA × Fail

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 47.3314, 0.2517, 0.2413 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

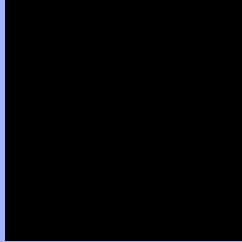
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.3314, 0.2517, 0.2413

Background



This preview shows how black text looks on a background with the Yxy color 47.3314, 0.2517, 0.2413.



This preview shows how white text looks on a background with the Yxy color 47.3314, 0.2517, 0.2413.

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

47.3314, 0.2517, 0.2413

Protanopia

47.2719, 0.2481, 0.2408

Deuteranopia

47.2079, 0.2487, 0.2418



Tritanopia

47.1961, 0.2751, 0.3076

Trichromacy



Original Color

47.3314, 0.2517, 0.2413

Protanomaly

47.4797, 0.2494, 0.2411

Deuteranomaly

47.4157, 0.2499, 0.2421

Tritanomaly

47.2410, 0.2661, 0.2816

Monochromacy



Original Color

47.3314, 0.2517, 0.2413

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

47.2401, 0.2883, 0.2959

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.3314, 0.2517, 0.2413 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(165, 179, 253)` looks like.

```
.text, #text, p{  
    color:rgb(165, 179, 253)  
}
```

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(165, 179, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 179, 253) }
```

Border

The CSS property to change the border of an element to Yxy 47.3314, 0.2517, 0.2413 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(165, 179, 253) }
```

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

```
.border{ border-color:rgb(165, 179, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 179, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 179, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 179, 253);  
box-shadow:4px 4px 4px 4px rgb(165, 179,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 47.3314, 0.2517, 0.2413 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 179, 253) }
```

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

```
.background{ background-color: rgb(165,  
179, 253) }
```

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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