

Converting Colors

$Y_{xy}(47.2307, 0.2506, 0.2386)$

Have a look what the booklet for
Yxy(47.2307, 0.2506, 0.2386)
contains.

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Color

Yxy(47.0601, 0.2504, 0.2381)

Conversions

Conversions Part 1

Format	Color
Hex	A5B2FF
RGB	165, 178, 255
RGB Percent	65%, 70%, 100%
CMY	0.3529, 0.3020, 0.0000
CMYK	0.35, 0.30, 0.00, 0.00
HSL	231°, 100%, 82%
HSV	231°, 35%, 100%
XYZ	49.4912, 47.0601, 101.0972
YIQ	182.8910, -32.4650, 21.1910

Conversions

Conversions Part 2

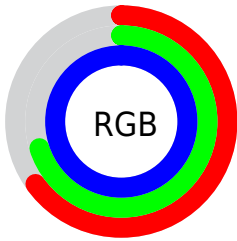
Format	Color
RYB	165, 176, 255
Decimal	10859263
CIELab	74.23, 13.34, -39.55
CIELCh	74, 41.738, 288.638
Yxy	47.0601, 0.2504, 0.2381
Android (android.graphics.Color)	4289049343 (0xFFA5B2FF)
YUV	182.8910, 35.5497, -15.6904
Hunter-Lab	68.6004, 8.7267, -39.3561

Details

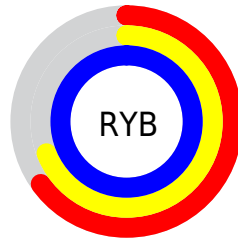
The Yxy color **47.0601, 0.2504, 0.2381** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **87.4910, 0.3701, 0.4059**, and the grayscale version is **47.1071, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.5952, 0.2923, 0.3074**, and **22.3139, 0.2341, 0.2169** is the 20% darker color. If you saturate the color by 10%, you get **36.5897, 0.2302, 0.2069**, and if you desaturate by 10%, it is **59.4580, 0.2699, 0.2673**.

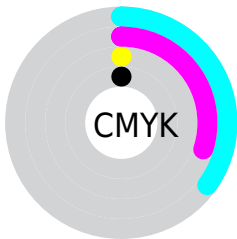
Distribution



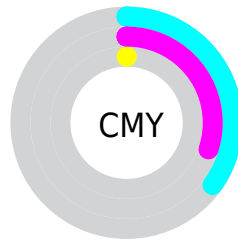
- Red (65%)
- Green (70%)
- Blue (100%)



- Red (65%)
- Yellow (69%)
- Blue (100%)



- Cyan (35%)
- Magenta (30%)
- Yellow (0%)
- Black (0%)



- Cyan (35%)
- Magenta (30%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.0601, 0.2504, 0.2381 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 47.0601, 0.2504, 0.2381 by changing the saturation by 10% instead.

47.0601, 0.2504,
0.2381

47.0601, 0.2504,
0.2381

375.0544, 0.2810,
0.2809

33.0832, 0.2431,
0.2283

85.8033, 0.2613,
0.2530

22.1902, 0.2339,
0.2163

111.3384, 0.2654,
0.2588

13.9967, 0.2222,
0.2011

141.4950, 0.2690,
0.2638

8.1184, 0.2067,
0.1817

176.6575, 0.2721,
0.2681

4.1708, 0.1854,
0.1562

217.2103, 0.2747,
0.2719

1.7695, 0.1553,
0.1220

263.5378, 0.2771,

0.4681, 0.1125,

0.2752

0.0683

316.0243, 0.2791,
0.2782

0.0000, 0.0000,
0.0000

47.0601, 0.2504,
0.2381

47.0601, 0.2504,
0.2381

36.5897, 0.2302,
0.2069

59.4580, 0.2699,
0.2673

27.9472, 0.2101,
0.1749

73.8721, 0.2881,
0.2939

21.0268, 0.1914,
0.1438

90.3881, 0.3046,
0.3176

15.7108, 0.1752,
0.1156

100.0000, 0.3127,
0.3290

11.8661, 0.1629,
0.0923

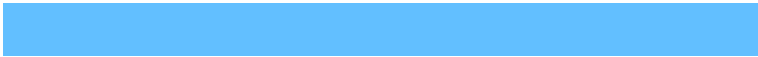
■ 9.3372, 0.1551,
0.0753

■ 8.5303, 0.1527,
0.0696

Harmonies

Analogous

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



47.0601, 0.2182, 0.2448



47.0601, 0.2504, 0.2381



47.0601, 0.3016, 0.2515

Triad

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



47.0601, 0.2504, 0.2381



47.0601, 0.4289, 0.3674



47.0601, 0.2613, 0.3837

Complementary

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



47.0601, 0.2504, 0.2381



87.4910, 0.3701, 0.4059

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.



47.0601, 0.3150, 0.4264



47.0601, 0.2504, 0.2381



47.0601, 0.4134, 0.4085

Square

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



47.0601, 0.2504, 0.2381



47.0601, 0.4096, 0.3223



47.0601, 0.3709, 0.4333



47.0601, 0.2235, 0.3244

Rectangle

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



47.0601, 0.2504, 0.2381



47.0601, 0.3414, 0.2699



47.0601, 0.3709, 0.4333



47.0601, 0.2780, 0.4012

Sweetspot

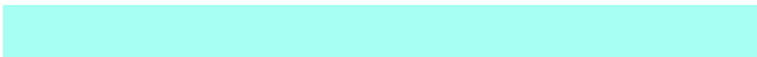
The Sweet Spot groups the original color and five complimentary colors.



47.0607, 0.2504, 0.2381



80.6930, 0.2954, 0.3045



85.9018, 0.2692, 0.3439



16.8010, 0.2931, 0.3012



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.



47.0607, 0.2504, 0.2381



39.8265, 0.2369, 0.2173



45.9395, 0.2707, 0.2286



17.8005, 0.2979, 0.3080



4.5840, 0.1532, 0.0714



0.5670, 0.1578, 0.0879

Inverse Universe

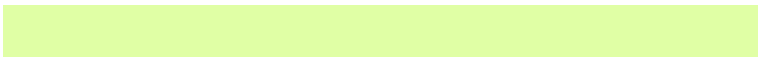
The Inverse Universe completely reimagines the original color for something new.



51.3896, 0.3852, 0.3156



45.0655, 0.4061, 0.3130



90.0054, 0.3446, 0.4240



18.0298, 0.3272, 0.3256



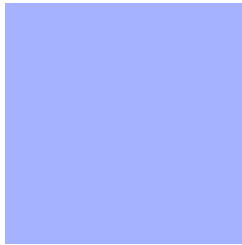
11.1907, 0.6210, 0.3195



1.1018, 0.5945, 0.3049

Previews

White Background



This preview shows how the Yxy color 47.0601, 0.2504, 0.2381 looks on a white background.

Color Contrast Check

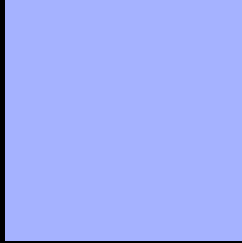
Large Text (above 18pt) WCAG AA × Fail

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 47.0601, 0.2504, 0.2381 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

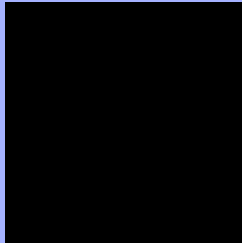
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.0601, 0.2504, 0.2381

Background



This preview shows how black text looks on a background with the Yxy color 47.0601, 0.2504, 0.2381.



This preview shows how white text looks on a background with the Yxy color 47.0601, 0.2504, 0.2381.

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

47.0601, 0.2504, 0.2381

Protanopia

47.2334, 0.2470, 0.2397

Deuteranopia

47.0306, 0.2457, 0.2394



Tritanopia

47.0505, 0.2751, 0.3089

Trichromacy



Original Color

47.0601, 0.2504, 0.2381

Protanomaly

47.0373, 0.2480, 0.2387

Deuteranomaly

46.9338, 0.2474, 0.2386

Tritanomaly

46.7230, 0.2653, 0.2802

Monochromacy



Original Color

47.0601, 0.2504, 0.2381

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

46.8813, 0.2875, 0.2934

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.0601, 0.2504, 0.2381 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, 178, 255)` looks like.

```
.text, #text, p{  
    color:rgb(165, 178, 255)  
}
```

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, 178, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 178, 255) }
```

Border

The CSS property to change the border of an element to Yxy 47.0601, 0.2504, 0.2381 is called "border". The border property can be set on classes, ids or directly on the HTML element.

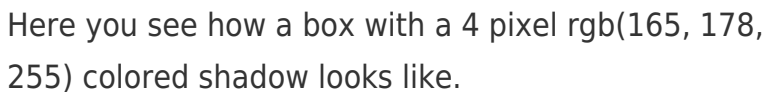
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(165, 178, 255) }
```

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

```
.border{ border-color:rgb(165, 178, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(165, 178, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(165, 178, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(165, 178, 255); box-shadow:4px 4px 4px 4px rgb(165, 178, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 47.0601, 0.2504, 0.2381 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 178, 255) }
```

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

```
.background{ background-color: rgb(165,  
178, 255) }
```

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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