

Converting Colors

$Y_{xy}(46.7945, 0.2583, 0.2368)$

Have a look what the booklet for
Yxy(46.7945, 0.2583, 0.2368)
contains.

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Color

Yxy(46.7750, 0.2583, 0.2362)

Conversions

Conversions Part 1

Format	Color
Hex	B1AEFE
RGB	177, 174, 254
RGB Percent	69%, 68%, 100%
CMY	0.3060, 0.3176, 0.0039
CMYK	0.30, 0.31, 0.00, 0.00
HSL	242°, 98%, 84%
HSV	242°, 31%, 100%
XYZ	51.1515, 46.7750, 100.1048
YIQ	184.0170, -23.8920, 25.5160

Conversions

Conversions Part 2

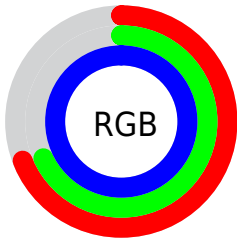
Format	Color
R _Y B	177, 174, 254
Decimal	11644670
CIE Lab	74.05, 18.57, -39.22
CIE LCh	74, 43.399, 295.341
Yxy	46.7750, 0.2583, 0.2362
Android (android.graphics.Color)	4289834750 (0xFFB1AEFE)
YUV	184.0170, 34.5016, -6.1539
Hunter-Lab	68.3923, 13.8161, -38.9074

Details

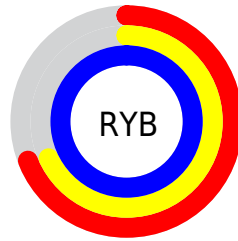
The Yxy color `46.7750, 0.2583, 0.2362` is a light color, and the websafe version is hex `9999FF`. A complement of this color would be `94.4654, 0.3584, 0.4085`, and the grayscale version is `47.7572, 0.3127, 0.3290`.

A 20% lighter version of the original color is `80.7510, 0.2999, 0.3027`, and `22.0879, 0.2435, 0.2146` is the 20% darker color. If you saturate the color by 10%, you get `35.2529, 0.2375, 0.2011`, and if you desaturate by 10%, it is `60.6713, 0.2777, 0.2691`.

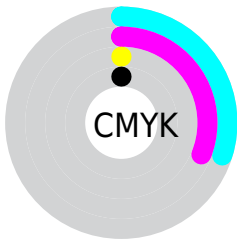
Distribution



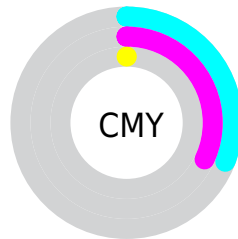
- Red (69%)
- Green (68%)
- Blue (100%)



- Red (69%)
- Yellow (68%)
- Blue (100%)



- Cyan (30%)
- Magenta (31%)
- Yellow (0%)
- Black (0%)



- Cyan (31%)
- Magenta (32%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.7750, 0.2583, 0.2362 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 46.7750, 0.2583, 0.2362 by changing the saturation by 10% instead.

■ 46.7750, 0.2583,
0.2362

■ 46.7750, 0.2583,
0.2362

373.9157, 0.2853,
0.2796

■ 32.8578, 0.2518,
0.2263

■ 85.3777, 0.2680,
0.2513

■ 22.0175, 0.2435,
0.2142

110.8320, 0.2717,
0.2571

■ 13.8698, 0.2329,
0.1990

140.9007, 0.2748,
0.2622

■ 8.0302, 0.2187,
0.1796

175.9684, 0.2775,
0.2666

■ 4.1143, 0.1990,
0.1541

216.4193, 0.2798,
0.2704

■ 1.7377, 0.1706,
0.1201

262.6379, 0.2819,

■ 0.4479, 0.1295,

0.2739

0.0659

315.0086, 0.2837,
0.2769

0.0000, 0.0000,
0.0000

46.7750, 0.2583,
0.2362

46.7750, 0.2583,
0.2362

35.2529, 0.2375,
0.2011

60.6713, 0.2777,
0.2691

25.9671, 0.2161,
0.1655

77.0584, 0.2952,
0.2989

18.7741, 0.1957,
0.1317

96.0520, 0.3106,
0.3253

13.5113, 0.1776,
0.1023

99.9363, 0.3133,
0.3299

9.9924, 0.1636,
0.0799

■ 7.9941, 0.1546,
0.0660

■ 7.2168, 0.1508,
0.0604

Harmonies

Analogous

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



46.7750, 0.2201, 0.2380



46.7750, 0.2583, 0.2362



46.7750, 0.3147, 0.2543

Triad

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



46.7750, 0.2583, 0.2362



46.7750, 0.4330, 0.3787



46.7750, 0.2485, 0.3727

Complementary

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



46.7750, 0.2583, 0.2362



94.4654, 0.3584, 0.4085

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.



46.7750, 0.3016, 0.4239



46.7750, 0.2583, 0.2362



46.7750, 0.4094, 0.4192

Square

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



46.7750, 0.2583, 0.2362



46.7750, 0.4213, 0.3320



46.7750, 0.3606, 0.4396



46.7750, 0.2145, 0.3107

Rectangle

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



46.7750, 0.2583, 0.2362



46.7750, 0.3563, 0.2755



46.7750, 0.3606, 0.4396



46.7750, 0.2646, 0.3925

Sweetspot

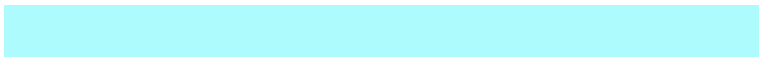
The Sweet Spot groups the original color and five complimentary colors.



46.7768, 0.2583, 0.2362



82.2677, 0.2992, 0.3058



85.3649, 0.2671, 0.3260



17.0388, 0.2969, 0.3018



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.



46.7768, 0.2583, 0.2362



39.3553, 0.2449, 0.2135



52.1361, 0.2872, 0.2433



17.4097, 0.2984, 0.3044



3.8181, 0.1511, 0.0606



0.3825, 0.1537, 0.0620

Inverse Universe

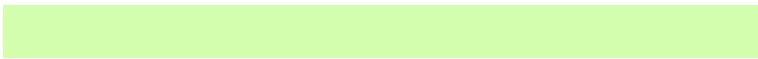
The Inverse Universe completely reimagines the original color for something new.



58.3185, 0.3187, 0.2531



52.7397, 0.3200, 0.2378



87.8455, 0.3317, 0.4159



18.2881, 0.3144, 0.3064



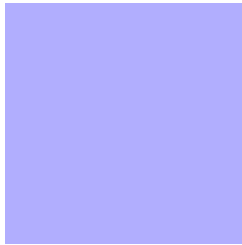
14.5776, 0.3304, 0.1594



1.4228, 0.3292, 0.1587

Previews

White Background



This preview shows how the Yxy color 46.7750, 0.2583, 0.2362 looks on a white background.

Color Contrast Check

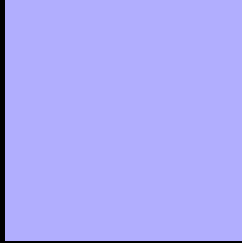
Large Text (above 18pt) WCAG AA × Fail

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 46.7750, 0.2583, 0.2362 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

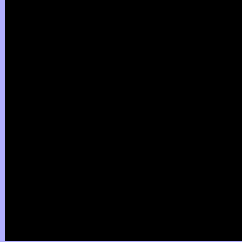
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.7750, 0.2583, 0.2362

Background



This preview shows how black text looks on a background with the Yxy color 46.7750, 0.2583, 0.2362.



This preview shows how white text looks on a background with the Yxy color 46.7750, 0.2583, 0.2362.

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

46.7750, 0.2583, 0.2362

Protanopia

46.7293, 0.2462, 0.2383

Deuteranopia

47.0035, 0.2474, 0.2415



Tritanopia

46.9284, 0.2871, 0.3105

Trichromacy



Original Color

46.7750, 0.2583, 0.2362

Protanomaly

46.6636, 0.2502, 0.2369

Deuteranomaly

46.9320, 0.2515, 0.2401

Tritanomaly

46.7083, 0.2761, 0.2810

Monochromacy



Original Color

46.7750, 0.2583, 0.2362

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

47.0697, 0.2914, 0.2926

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.7750, 0.2583, 0.2362 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(177, 174, 254)` looks like.

```
.text, #text, p{  
    color:rgb(177, 174, 254)  
}
```

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(177, 174, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 174, 254) }
```

Border

The CSS property to change the border of an element to Yxy 46.7750, 0.2583, 0.2362 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(177, 174, 254) }
```

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

```
.border{ border-color:rgb(177, 174, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 174, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(177, 174, 254); -webkit-box-shadow:4px 4px 4px 4px rgb(177, 174, 254); box-shadow:4px 4px 4px 4px rgb(177, 174, 254) }
```


Background

The CSS property to change the background color of an element to Yxy 46.7750, 0.2583, 0.2362 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 174, 254) }
```

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

```
.background{ background-color: rgb(177,  
174, 254) }
```

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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