

Converting Colors

Yxy(48.9331, 0.2368, 0.2052)

Have a look what the booklet for
Yxy(48.9331, 0.2368, 0.2052)
contains.

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Color

Yxy(46.6506, 0.2545, 0.2356)

Conversions

Conversions Part 1

Format	Color
Hex	ACAFFF
RGB	172, 175, 255
RGB Percent	67%, 69%, 100%
CMY	0.3255, 0.3137, 0.0000
CMYK	0.33, 0.31, 0.00, 0.00
HSL	238°, 100%, 84%
HSV	238°, 33%, 100%
XYZ	50.3929, 46.6506, 100.9641
YIQ	183.2230, -27.4680, 24.2440

Conversions

Conversions Part 2

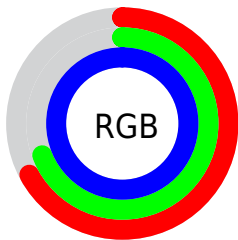
Format	Color
R_{YB}	172, 175, 255
Decimal	11317247
CIE _{Lab}	73.97, 16.90, -39.92
CIE _{LCh}	74, 43.345, 292.946
Yxy	46.6506, 0.2545, 0.2356
Android (android.graphics.Color)	4289507327 (0xFFACAFFF)
YUV	183.2230, 35.3861, -9.8426
Hunter-Lab	68.3012, 12.1709, -39.8326

Details

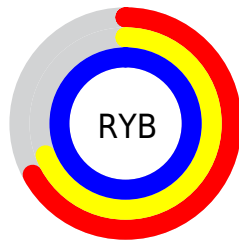
The Yxy color **46.6506, 0.2545, 0.2356** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **93.8529, 0.3629, 0.4079**, and the grayscale version is **47.2961, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.4716, 0.2967, 0.3035**, and **22.0250, 0.2389, 0.2138** is the 20% darker color. If you saturate the color by 10%, you get **35.3263, 0.2334, 0.2012**, and if you desaturate by 10%, it is **60.2714, 0.2745, 0.2678**.

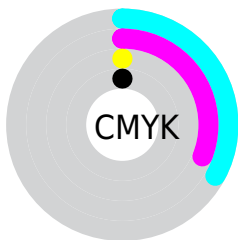
Distribution



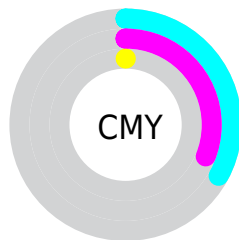
- Red (67%)
- Green (69%)
- Blue (100%)



- Red (67%)
- Yellow (69%)
- Blue (100%)



- Cyan (33%)
- Magenta (31%)
- Yellow (0%)
- Black (0%)



- Cyan (33%)
- Magenta (31%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.6506, 0.2545, 0.2356 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 46.6506, 0.2545, 0.2356 by changing the saturation by 10% instead.

■ 46.6506, 0.2545,
0.2356

■ 46.6506, 0.2545,
0.2356

373.4181, 0.2833,
0.2794

■ 32.7595, 0.2476,
0.2256

■ 85.1918, 0.2648,
0.2508

■ 21.9423, 0.2389,
0.2134

110.6108, 0.2687,
0.2567

■ 13.8145, 0.2276,
0.1981

140.6412, 0.2720,
0.2618

■ 7.9918, 0.2127,
0.1784

175.6674, 0.2749,
0.2662

■ 4.0897, 0.1922,
0.1527

216.0738, 0.2774,
0.2701

■ 1.7239, 0.1629,
0.1185


262.2448, 0.2796,

■ 0.4390, 0.1210,

0.2736


0.0640


314.5648, 0.2815,
0.2766


 0.0000, 0.0000,
0.0000


 46.6506, 0.2545,
0.2356


 46.6506, 0.2545,
0.2356


 35.3263, 0.2334,
0.2012


 60.2714, 0.2745,
0.2678


 26.1689, 0.2120,
0.1662


 76.3019, 0.2927,
0.2971

 19.0410, 0.1918,
0.1328

 94.8518, 0.3089,
0.3229

 13.7882, 0.1744,
0.1036

 100.0000, 0.3127,
0.3290

 10.2339, 0.1613,
0.0812

■ 8.1678, 0.1534,
0.0669

■ 7.4207, 0.1504,
0.0615

Harmonies

Analogous

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



46.6506, 0.2181, 0.2392



46.6506, 0.2545, 0.2356



46.6506, 0.3098, 0.2522

Triad

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



46.6506, 0.2545, 0.2356



46.6506, 0.4334, 0.3750



46.6506, 0.2522, 0.3776

Complementary

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



46.6506, 0.2545, 0.2356



93.8529, 0.3629, 0.4079

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.



46.6506, 0.3063, 0.4266



46.6506, 0.2545, 0.2356



46.6506, 0.4124, 0.4165

Square

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



46.6506, 0.2545, 0.2356



46.6506, 0.4187, 0.3283



46.6506, 0.3651, 0.4391



46.6506, 0.2164, 0.3154

Rectangle

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



46.6506, 0.2545, 0.2356



46.6506, 0.3514, 0.2726



46.6506, 0.3651, 0.4391



46.6506, 0.2688, 0.3969

Sweetspot

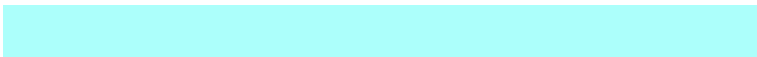
The Sweet Spot groups the original color and five complimentary colors.



46.6517, 0.2545, 0.2356



80.7907, 0.2970, 0.3040



87.2456, 0.2681, 0.3334



16.7589, 0.2946, 0.3002



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.



46.6517, 0.2545, 0.2356



39.0931, 0.2409, 0.2136



50.3290, 0.2809, 0.2388



17.4832, 0.2978, 0.3053



3.9232, 0.1506, 0.0622



0.4175, 0.1520, 0.0673

Inverse Universe

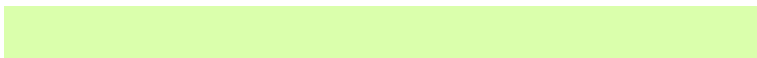
The Inverse Universe completely reimagines the original color for something new.



53.8583, 0.3858, 0.3260



47.3948, 0.4074, 0.3255



89.3495, 0.3368, 0.4178



17.9977, 0.3289, 0.3282



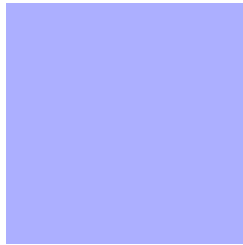
11.1240, 0.6364, 0.3280



1.0867, 0.6278, 0.3232

Previews

White Background



This preview shows how the Yxy color 46.6506, 0.2545, 0.2356 looks on a white background.

Color Contrast Check

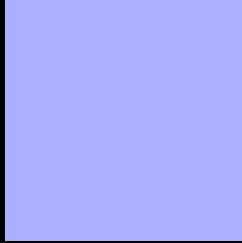
Large Text (above 18pt) WCAG AA × Fail

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 46.6506, 0.2545, 0.2356 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

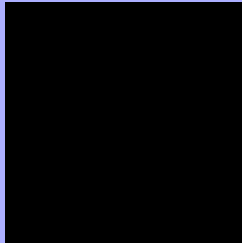
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.6506, 0.2545, 0.2356

Background



This preview shows how black text looks on a background with the Yxy color 46.6506, 0.2545, 0.2356.



This preview shows how white text looks on a background with the Yxy color 46.6506, 0.2545, 0.2356.

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

46.6506, 0.2545, 0.2356

Protanopia

46.7293, 0.2462, 0.2383

Deuteranopia

46.9664, 0.2463, 0.2404



Tritanopia

46.7615, 0.2819, 0.3104

Trichromacy



Original Color

46.6506, 0.2545, 0.2356

Protanomaly

46.8473, 0.2491, 0.2378

Deuteranomaly

46.6779, 0.2490, 0.2386

Tritanomaly

46.5157, 0.2712, 0.2806

Monochromacy



Original Color

46.6506, 0.2545, 0.2356

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

46.8297, 0.2898, 0.2924

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.6506, 0.2545, 0.2356 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, 175, 255)` looks like.

```
.text, #text, p{  
    color:rgb(172, 175, 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(172, 175, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 175, 255) }
```

Border

The CSS property to change the border of an element to Yxy 46.6506, 0.2545, 0.2356 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, 175, 255) }
```

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

```
.border{ border-color:rgb(172, 175, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 175, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 175, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 175, 255);  
box-shadow:4px 4px 4px 4px rgb(172, 175,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 46.6506, 0.2545, 0.2356 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 175, 255) }
```

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

```
.background{ background-color: rgb(172,  
175, 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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