

Converting Colors

$Yxy(46.6797, 0.2645, 0.2519)$

Have a look what the booklet for
Yxy(46.6797, 0.2645, 0.2519)
contains.

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Color

Yxy(46.7938, 0.2644, 0.2522)

Conversions

Conversions Part 1

Format	Color
Hex	AEB1F1
RGB	174, 177, 241
RGB Percent	68%, 69%, 95%
CMY	0.3177, 0.3059, 0.0548
CMYK	0.28, 0.27, 0.00, 0.05
HSL	237°, 71%, 81%
HSV	237°, 28%, 95%
XYZ	49.0574, 46.7938, 89.6912
YIQ	183.3990, -22.3320, 19.2680

Conversions

Conversions Part 2

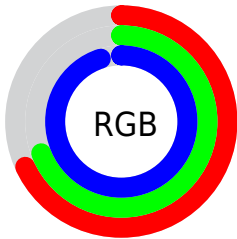
Format	Color
RYB	174, 177, 241
Decimal	11448817
CIELab	74.06, 12.90, -32.21
CIELCh	74, 34.696, 291.818
Yxy	46.7938, 0.2644, 0.2522
Android (android.graphics.Color)	4289638897 (0xFFAEB1F1)
YUV	183.3990, 28.3973, -8.2429
Hunter-Lab	68.4060, 8.3009, -29.8545

Details

The Yxy color **46.7938, 0.2644, 0.2522** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **82.9277, 0.3556, 0.3957**, and the grayscale version is **47.4355, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.4868, 0.2980, 0.3067**, and **22.1631, 0.2511, 0.2335** is the 20% darker color. If you saturate the color by 10%, you get **35.9307, 0.2439, 0.2191**, and if you desaturate by 10%, it is **59.6915, 0.2835, 0.2827**.

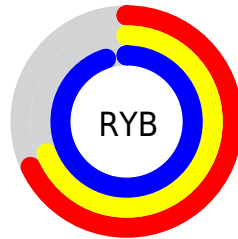
Distribution



Red (68%)

Green (69%)

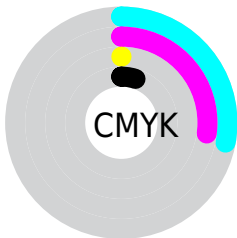
Blue (95%)



Red (68%)

Yellow (69%)

Blue (95%)

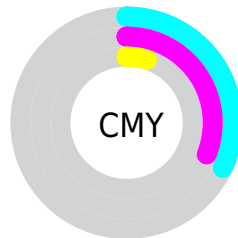


Cyan (28%)

Magenta (27%)

Yellow (0%)

Black (5%)



Cyan (32%)

Magenta (31%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.7938, 0.2644, 0.2522 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 46.7938, 0.2644, 0.2522 by changing the saturation by 10% instead.

■ 46.7938, 0.2644,
0.2522

■ 46.7938, 0.2644,
0.2522

373.9909, 0.2884,
0.2888

■ 32.8727, 0.2586,
0.2437

■ 85.4057, 0.2730,
0.2651

■ 22.0289, 0.2511,
0.2331

110.8654, 0.2763,
0.2700

■ 13.8782, 0.2415,
0.2196

140.9399, 0.2791,
0.2743

■ 8.0360, 0.2285,
0.2020

176.0138, 0.2815,
0.2779

■ 4.1180, 0.2102,
0.1782

216.4715, 0.2835,
0.2812

■ 1.7398, 0.1830,
0.1448

262.6973, 0.2854,

■ 0.4492, 0.1414,

0.2840

0.0856

315.0756, 0.2870,
0.2865

0.0000, 0.0000,
0.0000

46.7938, 0.2644,
0.2522

46.7938, 0.2644,
0.2522

35.9307, 0.2439,
0.2191

59.6915, 0.2835,
0.2827

26.9932, 0.2226,
0.1845

74.7143, 0.3007,
0.3100

19.8704, 0.2018,
0.1503

91.9542, 0.3159,
0.3340

14.4379, 0.1829,
0.1188

99.1329, 0.3208,
0.3424

10.5559, 0.1676,
0.0927

■ 8.0618, 0.1570,
0.0739

■ 6.7529, 0.1513,
0.0634

■ 6.5879, 0.1506,
0.0620

Harmonies

Analogous

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



46.7938, 0.2347, 0.2566



46.7938, 0.2644, 0.2522



46.7938, 0.3090, 0.2652

Triad

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



46.7938, 0.2644, 0.2522



46.7938, 0.4096, 0.3667



46.7938, 0.2658, 0.3693

Complementary

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



46.7938, 0.2644, 0.2522



82.9277, 0.3556, 0.3957

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.



46.7938, 0.3104, 0.4063



46.7938, 0.2644, 0.2522



46.7938, 0.3946, 0.3997

Square

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



46.7938, 0.2644, 0.2522



46.7938, 0.3962, 0.3282



46.7938, 0.3577, 0.4165



46.7938, 0.2352, 0.3209

Rectangle

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



46.7938, 0.2644, 0.2522



46.7938, 0.3422, 0.2820



46.7938, 0.3577, 0.4165



46.7938, 0.2796, 0.3839

Sweetspot

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



46.7956, 0.2644, 0.2522



84.5260, 0.3003, 0.3094



78.0830, 0.2740, 0.3327



17.5083, 0.2978, 0.3055



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.



46.7956, 0.2644, 0.2522



46.3746, 0.2537, 0.2350



49.4833, 0.2866, 0.2534



15.3423, 0.2979, 0.3057



3.6227, 0.1508, 0.0628



0.3411, 0.1528, 0.0701

Inverse Universe

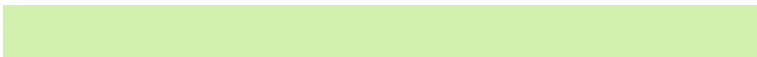
The Inverse Universe completely reimagines the original color for something new.



52.1512, 0.3709, 0.3259



53.4095, 0.3865, 0.3252



79.8155, 0.3335, 0.4037



15.7703, 0.3286, 0.3280



10.1591, 0.6353, 0.3274



0.8492, 0.6231, 0.3206

Previews

White Background



This preview shows how the Yxy color 46.7938, 0.2644, 0.2522 looks on a white background.

Color Contrast Check

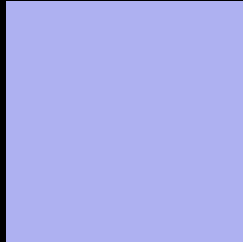
Large Text (above 18pt) WCAG AA × Fail

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 46.7938, 0.2644, 0.2522 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

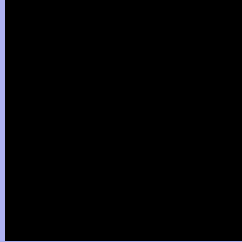
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.7938, 0.2644, 0.2522

Background



This preview shows how black text looks on a background with the Yxy color 46.7938, 0.2644, 0.2522.



This preview shows how white text looks on a background with the Yxy color 46.7938, 0.2644, 0.2522.

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

46.7938, 0.2644, 0.2522

Protanopia

47.0061, 0.2568, 0.2525

Deuteranopia

46.8066, 0.2598, 0.2537



Tritanopia

46.9284, 0.2871, 0.3105

Trichromacy



Original Color

46.7938, 0.2644, 0.2522

Protanomaly

46.9758, 0.2599, 0.2528

Deuteranomaly

46.7377, 0.2618, 0.2529

Tritanomaly

46.7460, 0.2788, 0.2881

Monochromacy



Original Color

46.7938, 0.2644, 0.2522

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

47.1107, 0.2943, 0.2998

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.7938, 0.2644, 0.2522 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(174, 177, 241)` looks like.

```
.text, #text, p{  
    color:rgb(174, 177, 241)  
}
```

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(174, 177, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 177, 241) }
```

Border

The CSS property to change the border of an element to Yxy 46.7938, 0.2644, 0.2522 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(174, 177, 241) }
```

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

```
.border{ border-color:rgb(174, 177, 241) }
```

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

Here you see how a box with a 4 pixel rgb(174, 177, 241) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 177, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 177, 241);  
box-shadow:4px 4px 4px 4px rgb(174, 177,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 46.7938, 0.2644, 0.2522 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 177, 241) }
```

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

```
.background{ background-color: rgb(174,  
177, 241) }
```

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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