

Converting Colors

$Yxy(45.6569, 0.2640, 0.2423)$

Have a look what the booklet for
Yxy(45.6569, 0.2640, 0.2423)
contains.

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Color

Yxy(45.6238, 0.2636, 0.2417)

Conversions

Conversions Part 1

Format	Color
Hex	B2ACF6
RGB	178, 172, 246
RGB Percent	70%, 67%, 96%
CMY	0.3017, 0.3255, 0.0353
CMYK	0.28, 0.30, 0.00, 0.04
HSL	245°, 80%, 82%
HSV	245°, 30%, 96%
XYZ	49.7577, 45.6238, 93.3806
YIQ	182.2300, -20.1780, 24.2860

Conversions

Conversions Part 2

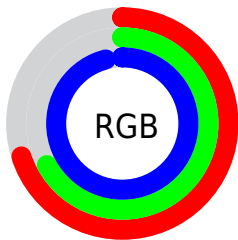
Format	Color
R _Y B	178, 172, 246
Decimal	11709686
CIE Lab	73.30, 18.06, -36.05
CIE LCh	73, 40.321, 296.605
Yxy	45.6238, 0.2636, 0.2417
Android (android.graphics.Color)	4289899766 (0xFFB2ACF6)
YUV	182.2300, 31.4386, -3.7097
Hunter-Lab	67.5454, 13.2886, -34.6859

Details

The Yxy color `45.6238, 0.2636, 0.2417` is a light color, and the websafe version is hex `9999CC`. A complement of this color would be `87.4106, 0.3540, 0.4054`, and the grayscale version is `46.7495, 0.3127, 0.3290`.

A 20% lighter version of the original color is `79.8203, 0.3006, 0.3007`, and `21.3922, 0.2507, 0.2214` is the 20% darker color. If you saturate the color by 10%, you get `34.6571, 0.2437, 0.2074`, and if you desaturate by 10%, it is `58.7670, 0.2819, 0.2738`.

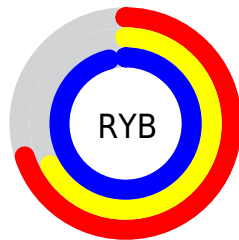
Distribution



Red (70%)

Green (67%)

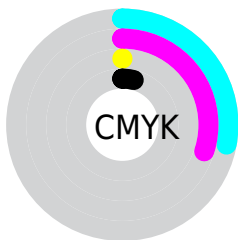
Blue (96%)



Red (70%)

Yellow (67%)

Blue (96%)

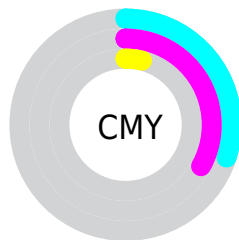


Cyan (28%)

Magenta (30%)

Yellow (0%)

Black (4%)



Cyan (30%)

Magenta (33%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.6238, 0.2636, 0.2417 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 45.6238, 0.2636, 0.2417 by changing the saturation by 10% instead.

■ 45.6238, 0.2636,
0.2417

■ 45.6238, 0.2636,
0.2417

369.2941, 0.2882,
0.2829

■ 31.9491, 0.2576,
0.2322

■ 83.6557, 0.2725,
0.2561

■ 21.3226, 0.2499,
0.2205

108.7816, 0.2758,
0.2617

■ 13.3600, 0.2400,
0.2057

138.4935, 0.2787,
0.2665

■ 7.6769, 0.2265,
0.1866

173.1755, 0.2811,
0.2706

■ 3.8889, 0.2076,
0.1612

213.2122, 0.2832,
0.2743

■ 1.6116, 0.1797,
0.1266

258.9879, 0.2851,

■ 0.3654, 0.1385,

0.2775

0.0642

310.8871, 0.2867,
0.2804

0.0000, 0.0000,
0.0000

45.6238, 0.2636,
0.2417

45.6238, 0.2636,
0.2417

34.6571, 0.2437,
0.2074

58.7670, 0.2819,
0.2738

25.7443, 0.2231,
0.1722

74.1897, 0.2983,
0.3029

18.7587, 0.2027,
0.1383

91.9951, 0.3126,
0.3288

13.5576, 0.1841,
0.1083

99.4345, 0.3179,
0.3376

9.9781, 0.1689,
0.0846

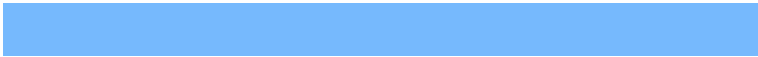
■ 7.8276, 0.1581,
0.0689

■ 6.8051, 0.1520,
0.0611

Harmonies

Analogous

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



45.6238, 0.2265, 0.2428



45.6238, 0.2636, 0.2417



45.6238, 0.3172, 0.2595

Triad

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



45.6238, 0.2636, 0.2417



45.6238, 0.4253, 0.3782



45.6238, 0.2508, 0.3675

Complementary

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



45.6238, 0.2636, 0.2417



87.4106, 0.3540, 0.4054

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.



45.6238, 0.3003, 0.4158



45.6238, 0.2636, 0.2417



45.6238, 0.4023, 0.4155

Square

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



45.6238, 0.2636, 0.2417



45.6238, 0.4155, 0.3342



45.6238, 0.3559, 0.4325



45.6238, 0.2193, 0.3100

Rectangle

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



45.6238, 0.2636, 0.2417



45.6238, 0.3561, 0.2800



45.6238, 0.3559, 0.4325



45.6238, 0.2657, 0.3860

Sweetspot

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



45.6256, 0.2636, 0.2417



82.4424, 0.2999, 0.3059



78.3790, 0.2687, 0.3233



17.0814, 0.2977, 0.3019



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.



45.6256, 0.2636, 0.2417



42.1132, 0.2519, 0.2214



50.4398, 0.2906, 0.2480



15.9917, 0.2992, 0.3046



3.6554, 0.1526, 0.0614



0.3432, 0.1587, 0.0648

Inverse Universe

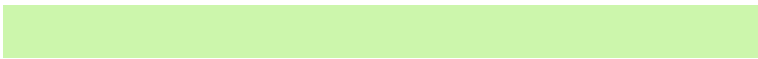
The Inverse Universe completely reimagines the original color for something new.



55.3817, 0.3210, 0.2596



54.2699, 0.3229, 0.2460



81.7425, 0.3292, 0.4120



16.7435, 0.3151, 0.3076



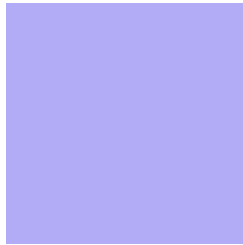
13.3935, 0.3427, 0.1661



1.1840, 0.3396, 0.1645

Previews

White Background



This preview shows how the Yxy color 45.6238, 0.2636, 0.2417 looks on a white background.

Color Contrast Check

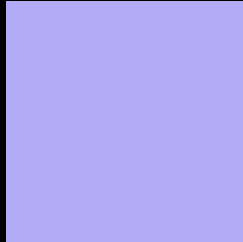
Large Text (above 18pt) WCAG AA × Fail

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 45.6238, 0.2636, 0.2417 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

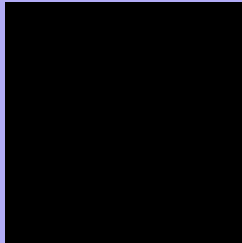
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.6238, 0.2636, 0.2417

Background



This preview shows how black text looks on a background with the Yxy color 45.6238, 0.2636, 0.2417.



This preview shows how white text looks on a background with the Yxy color 45.6238, 0.2636, 0.2417.

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

45.6238, 0.2636, 0.2417

Protanopia

45.6155, 0.2485, 0.2408

Deuteranopia

45.6139, 0.2532, 0.2463



Tritanopia

45.7663, 0.2906, 0.3105

Trichromacy



Original Color

45.6238, 0.2636, 0.2417

Protanomaly

45.4988, 0.2533, 0.2403

Deuteranomaly

45.4680, 0.2569, 0.2446

Tritanomaly

45.4665, 0.2807, 0.2832

Monochromacy



Original Color

45.6238, 0.2636, 0.2417

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

46.0723, 0.2943, 0.2948

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.6238, 0.2636, 0.2417 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(178, 172, 246)` looks like.

```
.text, #text, p{  
    color:rgb(178, 172, 246)  
}
```

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(178, 172, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 172, 246) }
```

Border

The CSS property to change the border of an element to Yxy 45.6238, 0.2636, 0.2417 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(178, 172, 246) }
```

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

```
.border{ border-color:rgb(178, 172, 246) }
```

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

Here you see how a box with a 4 pixel rgb(178, 172, 246) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 172, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 172, 246);  
box-shadow:4px 4px 4px 4px rgb(178, 172,  
246) }
```


Background

The CSS property to change the background color of an element to Yxy 45.6238, 0.2636, 0.2417 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 172, 246) }
```

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

```
.background{ background-color: rgb(178,  
172, 246) }
```

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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