

Converting Colors

$Y_{xy}(45.7229, 0.2587, 0.2489)$

Have a look what the booklet for
Yxy(45.7229, 0.2587, 0.2489)
contains.

Yxy(45.6770, 0.2588, 0.2489)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(45.6770, 0.2588, 0.2489)

Conversions

Conversions Part 1

Format	Color
Hex	A7B0F2
RGB	167, 176, 242
RGB Percent	65%, 69%, 95%
CMY	0.3451, 0.3098, 0.0508
CMYK	0.31, 0.27, 0.00, 0.05
HSL	233°, 74%, 80%
HSV	233°, 31%, 95%
XYZ	47.4938, 45.6770, 90.3447
YIQ	180.8330, -26.5500, 18.6180

Conversions

Conversions Part 2

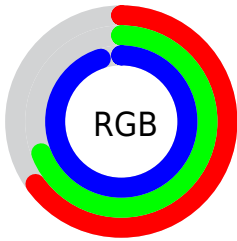
Format	Color
RYB	167, 175, 242
Decimal	10989810
CIELab	73.34, 11.70, -33.91
CIELCh	73, 35.872, 289.038
Yxy	45.6770, 0.2588, 0.2489
Android (android.graphics.Color)	4289179890 (0xFFA7B0F2)
YUV	180.8330, 30.1553, -12.1315
Hunter-Lab	67.5848, 7.1639, -31.9472

Details

The Yxy color **45.6770, 0.2588, 0.2489** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **79.9790, 0.3622, 0.3981**, and the grayscale version is **45.9606, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.2191, 0.2935, 0.3043**, and **21.4712, 0.2441, 0.2290** is the 20% darker color. If you saturate the color by 10%, you get **35.5757, 0.2386, 0.2177**, and if you desaturate by 10%, it is **57.5862, 0.2779, 0.2778**.

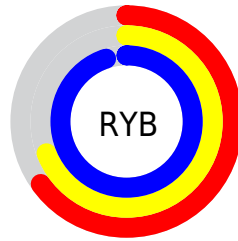
Distribution



Red (65%)

Green (69%)

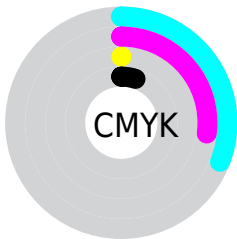
Blue (95%)



Red (65%)

Yellow (69%)

Blue (95%)

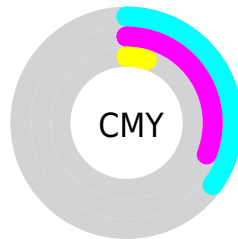


Cyan (31%)

Magenta (27%)

Yellow (0%)

Black (5%)



Cyan (35%)

Magenta (31%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.6770, 0.2588, 0.2489 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 45.6770, 0.2588, 0.2489 by changing the saturation by 10% instead.

■ 45.6770, 0.2588,
0.2489

■ 45.6770, 0.2588,
0.2489

■ 369.5086, 0.2855,
0.2872

■ 31.9910, 0.2523,
0.2400

■ 83.7354, 0.2684,
0.2624

■ 21.3546, 0.2441,
0.2289

■ 108.8766, 0.2721,
0.2676

■ 13.3835, 0.2334,
0.2147

■ 138.6050, 0.2751,
0.2720

■ 7.6931, 0.2191,
0.1963

■ 173.3049, 0.2778,
0.2758

■ 3.8992, 0.1990,
0.1714

■ 213.3609, 0.2801,
0.2792

■ 1.6174, 0.1695,
0.1367

■ 259.1572, 0.2822,

■ 0.3693, 0.1237,

0.2822


0.0718

311.0783, 0.2839,
0.2848


 0.0000, 0.0000,
0.0000


 45.6770, 0.2588,
0.2489


 45.6770, 0.2588,
0.2489

 35.5757, 0.2386,
0.2177

 57.5862, 0.2779,
0.2778


 27.1883, 0.2182,
0.1852


 71.3804, 0.2954,
0.3038

 20.4206, 0.1985,
0.1530

 87.1387, 0.3112,
0.3269

 15.1668, 0.1809,
0.1231

 99.1929, 0.3202,
0.3415

 11.3085, 0.1668,
0.0976

■ 8.7090, 0.1571,
0.0785

■ 7.2913, 0.1520,
0.0673

Harmonies

Analogous

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



45.6770, 0.2298, 0.2551



45.6770, 0.2588, 0.2489



45.6770, 0.3041, 0.2609

Triad

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



45.6770, 0.2588, 0.2489



45.6770, 0.4137, 0.3643



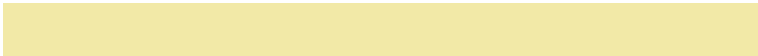
45.6770, 0.2676, 0.3755

Complementary

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



45.6770, 0.2588, 0.2489



79.9790, 0.3622, 0.3981

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.



45.6770, 0.3148, 0.4122



45.6770, 0.2588, 0.2489



45.6770, 0.4005, 0.3997

Square

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



45.6770, 0.2588, 0.2489



45.6770, 0.3971, 0.3243



45.6770, 0.3636, 0.4197



45.6770, 0.2343, 0.3250

Rectangle

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



45.6770, 0.2588, 0.2489



45.6770, 0.3386, 0.2774



45.6770, 0.3636, 0.4197



45.6770, 0.2823, 0.3903

Sweetspot

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



45.6788, 0.2588, 0.2489



83.6858, 0.2987, 0.3086



77.5698, 0.2732, 0.3404



17.3845, 0.2963, 0.3051



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.



45.6788, 0.2588, 0.2489



44.2474, 0.2466, 0.2301



45.5920, 0.2780, 0.2426



15.5336, 0.2980, 0.3075



4.0175, 0.1525, 0.0689



0.4324, 0.1573, 0.0862

Inverse Universe

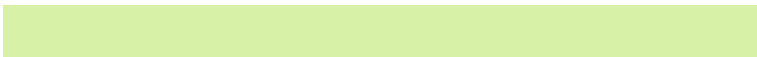
The Inverse Universe completely reimagines the original color for something new.



49.6589, 0.3748, 0.3193



49.6043, 0.3926, 0.3173



80.6910, 0.3400, 0.4118



15.7896, 0.3274, 0.3262



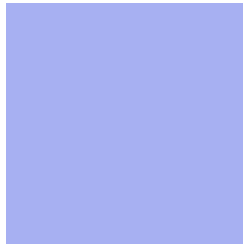
10.1989, 0.6252, 0.3218



0.8584, 0.5972, 0.3063

Previews

White Background



This preview shows how the Yxy color 45.6770, 0.2588, 0.2489 looks on a white background.

Color Contrast Check

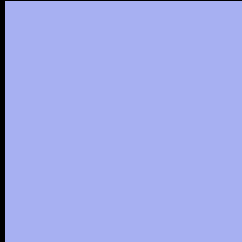
Large Text (above 18pt) WCAG AA × Fail

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 45.6770, 0.2588, 0.2489 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

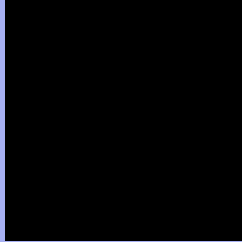
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.6770, 0.2588, 0.2489

Background



This preview shows how black text looks on a background with the Yxy color 45.6770, 0.2588, 0.2489.



This preview shows how white text looks on a background with the Yxy color 45.6770, 0.2588, 0.2489.

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

45.6770, 0.2588, 0.2489

Protanopia

45.8889, 0.2545, 0.2496

Deuteranopia

45.6416, 0.2563, 0.2496



Tritanopia

45.6736, 0.2810, 0.3089

Trichromacy



Original Color

45.6770, 0.2588, 0.2489

Protanomaly

45.7019, 0.2557, 0.2486

Deuteranomaly

45.7476, 0.2569, 0.2498

Tritanomaly

45.5311, 0.2721, 0.2849

Monochromacy



Original Color

45.6770, 0.2588, 0.2489

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

45.7821, 0.2918, 0.2981

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.6770, 0.2588, 0.2489 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(167, 176, 242)` looks like.

```
.text, #text, p{  
    color:rgb(167, 176, 242)  
}
```

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(167, 176, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 176, 242) }
```

Border

The CSS property to change the border of an element to Yxy 45.6770, 0.2588, 0.2489 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(167, 176, 242) }
```

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

```
.border{ border-color:rgb(167, 176, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 176, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 176, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 176, 242);  
box-shadow:4px 4px 4px 4px rgb(167, 176,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 45.6770, 0.2588, 0.2489 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 176, 242) }
```

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

```
.background{ background-color: rgb(167,  
176, 242) }
```

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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