

Converting Colors

$Y_{xy}(46.0140, 0.2508, 0.2380)$

Have a look what the booklet for
Yxy(46.0140, 0.2508, 0.2380)
contains.

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Color

Yxy(45.9715, 0.2511, 0.2384)

Conversions

Conversions Part 1

Format	Color
Hex	A4B0FC
RGB	164, 176, 252
RGB Percent	64%, 69%, 99%
CMY	0.3566, 0.3099, 0.0116
CMYK	0.35, 0.30, 0.00, 0.01
HSL	232°, 94%, 82%
HSV	232°, 35%, 99%
XYZ	48.4205, 45.9715, 98.4415
YIQ	181.0760, -31.5480, 21.0920

Conversions

Conversions Part 2

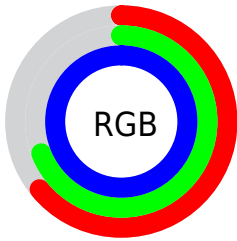
Format	Color
RYB	164, 175, 252
Decimal	10793212
CIELab	73.53, 13.44, -39.03
CIELCh	74, 41.283, 288.998
Yxy	45.9715, 0.2511, 0.2384
Android (android.graphics.Color)	4288983292 (0xFFA4B0FC)
YUV	181.0760, 34.9655, -14.9757
Hunter-Lab	67.8023, 8.8204, -38.6210

Details

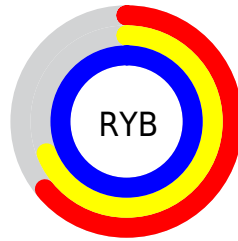
The Yxy color `45.9715, 0.2511, 0.2384` is a light color, and the websafe version is hex `9999CC`. A complement of this color would be `85.7785, 0.3692, 0.4057`, and the grayscale version is `46.0791, 0.3127, 0.3290`.

A 20% lighter version of the original color is `79.7440, 0.2916, 0.3042`, and `21.6066, 0.2347, 0.2171` is the 20% darker color. If you saturate the color by 10%, you get `35.6813, 0.2308, 0.2070`, and if you desaturate by 10%, it is `58.1682, 0.2706, 0.2678`.

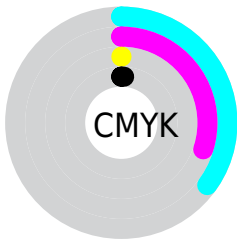
Distribution



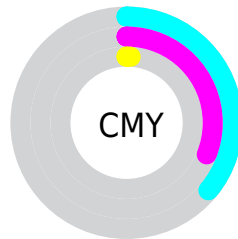
- Red (64%)
- Green (69%)
- Blue (99%)



- Red (64%)
- Yellow (69%)
- Blue (99%)



- Cyan (35%)
- Magenta (30%)
- Yellow (0%)
- Black (1%)



- Cyan (36%)
- Magenta (31%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.9715, 0.2511, 0.2384 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 45.9715, 0.2511, 0.2384 by changing the saturation by 10% instead.

■ 45.9715, 0.2511,
0.2384

■ 45.9715, 0.2511,
0.2384

370.6941, 0.2815,
0.2812

■ 32.2233, 0.2438,
0.2286

■ 84.1763, 0.2620,
0.2533

■ 21.5321, 0.2346,
0.2164

■ 109.4018, 0.2661,
0.2591

■ 13.5135, 0.2228,
0.2012

139.2218, 0.2696,
0.2641

■ 7.7831, 0.2072,
0.1815

174.0208, 0.2726,
0.2684

■ 3.9565, 0.1856,
0.1555

214.1831, 0.2753,
0.2722

■ 1.6492, 0.1550,
0.1206

260.0932, 0.2776,

■ 0.3905, 0.1106,

0.2756

0.0618

312.1353, 0.2796,
0.2786

0.0000, 0.0000,
0.0000

45.9715, 0.2511,
0.2384

45.9715, 0.2511,
0.2384

35.6813, 0.2308,
0.2070

58.1682, 0.2706,
0.2678

27.1955, 0.2106,
0.1748

72.3562, 0.2888,
0.2946

20.4103, 0.1917,
0.1434

88.6211, 0.3053,
0.3184

15.2091, 0.1754,
0.1150

99.8102, 0.3144,
0.3318

11.4601, 0.1629,
0.0916

■ 9.0089, 0.1550,
0.0747

■ 8.1807, 0.1524,
0.0687

Harmonies

Analogous

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



45.9715, 0.2187, 0.2448



45.9715, 0.2511, 0.2384



45.9715, 0.3023, 0.2520

Triad

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



45.9715, 0.2511, 0.2384



45.9715, 0.4285, 0.3678



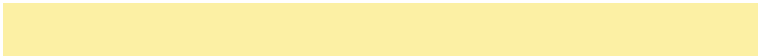
45.9715, 0.2609, 0.3829

Complementary

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



45.9715, 0.2511, 0.2384



85.7785, 0.3692, 0.4057

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.



45.9715, 0.3144, 0.4258



45.9715, 0.2511, 0.2384



45.9715, 0.4128, 0.4087

Square

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



45.9715, 0.2511, 0.2384



45.9715, 0.4097, 0.3228



45.9715, 0.3702, 0.4332



45.9715, 0.2235, 0.3237

Rectangle

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



45.9715, 0.2511, 0.2384



45.9715, 0.3420, 0.2705



45.9715, 0.3702, 0.4332



45.9715, 0.2775, 0.4003

Sweetspot

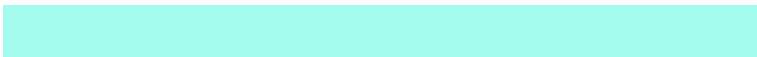
The Sweet Spot groups the original color and five complimentary colors.



45.9733, 0.2511, 0.2384



82.2107, 0.2970, 0.3066



83.7629, 0.2696, 0.3437



17.0991, 0.2947, 0.3032



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.



45.9733, 0.2511, 0.2384



39.4869, 0.2367, 0.2162



45.1912, 0.2713, 0.2299



17.0217, 0.2979, 0.3078



4.3797, 0.1529, 0.0704



0.5189, 0.1576, 0.0872

Inverse Universe

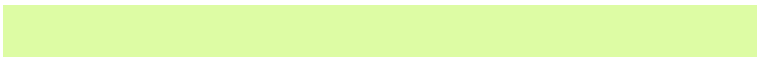
The Inverse Universe completely reimagines the original color for something new.



50.4126, 0.3848, 0.3166



45.0312, 0.4071, 0.3141



87.7339, 0.3442, 0.4228



17.2635, 0.3273, 0.3258



10.8530, 0.6226, 0.3203



1.0166, 0.5955, 0.3054

Previews

White Background



This preview shows how the Yxy color 45.9715, 0.2511, 0.2384 looks on a white background.

Color Contrast Check

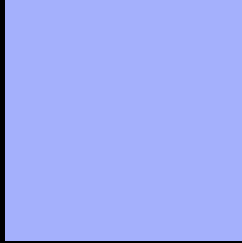
Large Text (above 18pt) WCAG AA × Fail

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 45.9715, 0.2511, 0.2384 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

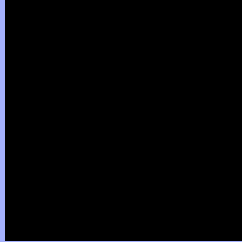
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.9715, 0.2511, 0.2384

Background



This preview shows how black text looks on a background with the Yxy color 45.9715, 0.2511, 0.2384.



This preview shows how white text looks on a background with the Yxy color 45.9715, 0.2511, 0.2384.

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

45.9715, 0.2511, 0.2384

Protanopia

46.1007, 0.2464, 0.2389

Deuteranopia

45.9370, 0.2463, 0.2397



Tritanopia

46.0103, 0.2754, 0.3087

Trichromacy



Original Color

45.9715, 0.2511, 0.2384

Protanomaly

46.0097, 0.2481, 0.2381

Deuteranomaly

45.8435, 0.2480, 0.2389

Tritanomaly

45.6911, 0.2655, 0.2798

Monochromacy



Original Color

45.9715, 0.2511, 0.2384

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

45.8592, 0.2881, 0.2932

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.9715, 0.2511, 0.2384 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(164, 176, 252)` looks like.

```
.text, #text, p{  
    color:rgb(164, 176, 252)  
}
```

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(164, 176, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 176, 252) }
```

Border

The CSS property to change the border of an element to Yxy 45.9715, 0.2511, 0.2384 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(164, 176, 252) }
```

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

```
.border{ border-color:rgb(164, 176, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 176, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 176, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 176, 252);  
box-shadow:4px 4px 4px 4px rgb(164, 176,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 45.9715, 0.2511, 0.2384 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 176, 252) }
```

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

```
.background{ background-color: rgb(164,  
176, 252) }
```

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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