

Converting Colors

$Y_{xy}(45.7095, 0.2379, 0.1861)$

Have a look what the booklet for
Yxy(45.7095, 0.2379, 0.1861)
contains.

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Color

Yxy(42.6759, 0.2617, 0.2206)

Conversions

Conversions Part 1

Format	Color
Hex	B9A0FF
RGB	185, 160, 255
RGB Percent	73%, 63%, 100%
CMY	0.2744, 0.3725, 0.0001
CMYK	0.27, 0.37, 0.00, 0.00
HSL	256°, 100%, 81%
HSV	256°, 37%, 100%
XYZ	50.6268, 42.6759, 100.1510
YIQ	178.3050, -15.5950, 34.8450

Conversions

Conversions Part 2

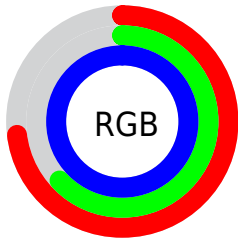
Format	Color
RYB	185, 160, 255
Decimal	12165375
CIELab	71.33, 28.87, -43.93
CIELCh	71, 52.563, 303.310
Yxy	42.6759, 0.2617, 0.2206
Android (android.graphics.Color)	4290355455 (0xFFB9A0FF)
YUV	178.3050, 37.8106, 5.8715
Hunter-Lab	65.3268, 24.0117, -45.1674

Details

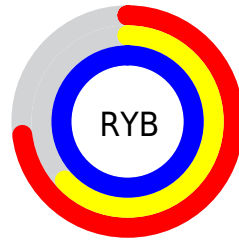
The Yxy color **42.6759, 0.2617, 0.2206** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **90.8555, 0.3517, 0.4277**, and the grayscale version is **44.4947, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.8756, 0.3061, 0.2890**, and **19.5482, 0.2471, 0.1951** is the 20% darker color. If you saturate the color by 10%, you get **32.5413, 0.2444, 0.1875**, and if you desaturate by 10%, it is **54.9350, 0.2777, 0.2528**.

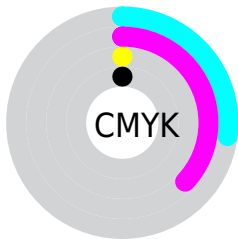
Distribution



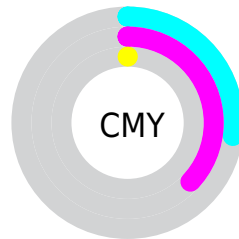
- Red (73%)
- Green (63%)
- Blue (100%)



- Red (73%)
- Yellow (63%)
- Blue (100%)



- Cyan (27%)
- Magenta (37%)
- Yellow (0%)
- Black (0%)




- Cyan (27%)
- Magenta (37%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.6759, 0.2617, 0.2206 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 42.6759, 0.2617, 0.2206 by changing the saturation by 10% instead.


 42.6759, 0.2617,
0.2206


 42.6759, 0.2617,
0.2206


357.2772, 0.2878,
0.2709

 29.6309, 0.2552,
0.2093


 79.2216, 0.2712,
0.2380

 19.5586, 0.2470,
0.1955


 103.4910, 0.2748,
0.2447

 12.0746, 0.2362,
0.1784


132.2707, 0.2778,
0.2506

 6.7945, 0.2217,
0.1568

165.9451, 0.2804,
0.2557

 3.3339, 0.2013,
0.1291

204.8985, 0.2826,
0.2602

 1.3084, 0.1716,
0.0936

249.5155, 0.2846,


 0.1477, 0.1307,


0.2642


0.0228


300.1802, 0.2863,
0.2677


 0.0000, 0.0000,
0.0000

 42.6759, 0.2617,
0.2206


 42.6759, 0.2617,
0.2206

 32.5413, 0.2444,
0.1875


 54.9350, 0.2777,
0.2528

 24.4026, 0.2263,
0.1550


 69.4272, 0.2921,
0.2831

 18.1249, 0.2084,
0.1252

 86.2592, 0.3047,
0.3107

 13.5538, 0.1919,
0.1001

99.9981, 0.3127,
0.3290

 10.5090, 0.1778,
0.0816

■ 8.7608, 0.1669,
0.0702

■ 8.4168, 0.1644,
0.0679

Harmonies

Analogous

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



42.6759, 0.2097, 0.2153



42.6759, 0.2617, 0.2206



42.6759, 0.3349, 0.2477

Triad

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



42.6759, 0.2617, 0.2206



42.6759, 0.4571, 0.4007



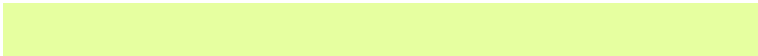
42.6759, 0.2194, 0.3621

Complementary

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



42.6759, 0.2617, 0.2206



90.8555, 0.3517, 0.4277

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.



42.6759, 0.2783, 0.4367



42.6759, 0.2617, 0.2206



42.6759, 0.4162, 0.4487

Square

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



42.6759, 0.2617, 0.2206



42.6759, 0.4566, 0.3450



42.6759, 0.3504, 0.4684



42.6759, 0.1873, 0.2859

Rectangle

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



42.6759, 0.2617, 0.2206



42.6759, 0.3865, 0.2755



42.6759, 0.3504, 0.4684



42.6759, 0.2364, 0.3893

Sweetspot

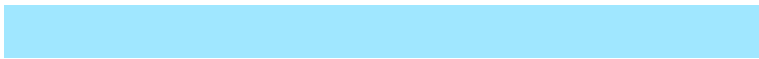
The Sweet Spot groups the original color and five complimentary colors.



42.6776, 0.2617, 0.2206



79.6805, 0.3002, 0.3007



71.9722, 0.2566, 0.3019



16.5625, 0.2985, 0.2969



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.



42.6776, 0.2617, 0.2206



34.6482, 0.2483, 0.1949



49.3883, 0.2977, 0.2310



17.6090, 0.3020, 0.3047



4.4602, 0.1657, 0.0687



0.4846, 0.1769, 0.0748

Inverse Universe

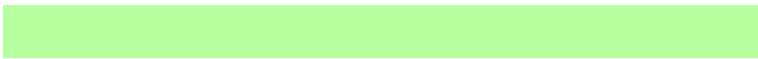
The Inverse Universe completely reimagines the original color for something new.



52.1083, 0.3379, 0.2586



45.5134, 0.3449, 0.2444



84.1984, 0.3215, 0.4380



18.2139, 0.3179, 0.3117



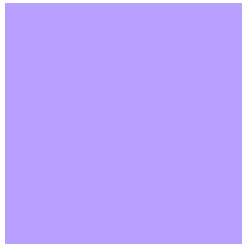
13.0283, 0.4013, 0.1984



1.2865, 0.3900, 0.1922

Previews

White Background



This preview shows how the Yxy color 42.6759, 0.2617, 0.2206 looks on a white background.

Color Contrast Check

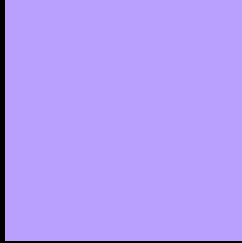
Large Text (above 18pt) WCAG AA × Fail

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 42.6759, 0.2617, 0.2206 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

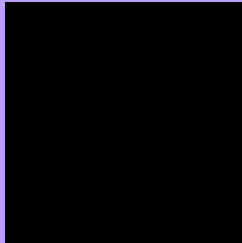
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.6759, 0.2617, 0.2206

Background



This preview shows how black text looks on a background with the Yxy color 42.6759, 0.2617, 0.2206.



This preview shows how white text looks on a background with the Yxy color 42.6759, 0.2617, 0.2206.

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

42.6759, 0.2617, 0.2206

Protanopia

42.9281, 0.2381, 0.2280

Deuteranopia

42.8447, 0.2380, 0.2317



Tritanopia

42.6736, 0.2997, 0.3103

Trichromacy



Original Color

42.6759, 0.2617, 0.2206

Protanomaly

42.8023, 0.2461, 0.2253

Deuteranomaly

42.4680, 0.2459, 0.2269

Tritanomaly

42.4765, 0.2855, 0.2743

Monochromacy



Original Color

42.6759, 0.2617, 0.2206

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

43.4058, 0.2934, 0.2845

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.6759, 0.2617, 0.2206 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(185, 160, 255)` looks like.

```
.text, #text, p{  
    color:rgb(185, 160, 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(185, 160, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 160, 255) }
```

Border

The CSS property to change the border of an element to Yxy 42.6759, 0.2617, 0.2206 is called "border". The border property can be set on classes, ids or directly on the HTML element.

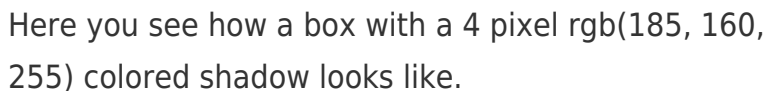
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(185, 160, 255) }
```

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

```
.border{ border-color:rgb(185, 160, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(185, 160, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(185, 160, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(185, 160, 255); box-shadow:4px 4px 4px 4px rgb(185, 160, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 42.6759, 0.2617, 0.2206 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 160, 255) }
```

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

```
.background{ background-color: rgb(185,  
160, 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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