

Converting Colors

$Y_{xy}(46.7083, 0.2388, 0.1704)$

Have a look what the booklet for
Yxy(46.7083, 0.2388, 0.1704)
contains.

Yxy(42.0497, 0.2746, 0.2149)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(42.0497, 0.2746, 0.2149)

Conversions

Conversions Part 1

Format	Color
Hex	CB97FF
RGB	203, 151, 255
RGB Percent	80%, 59%, 100%
CMY	0.2042, 0.4077, 0.0000
CMYK	0.20, 0.41, 0.00, 0.00
HSL	270°, 100%, 80%
HSV	270°, 41%, 100%
XYZ	53.7313, 42.0497, 99.8901
YIQ	178.4040, -2.3920, 43.3680

Conversions

Conversions Part 2

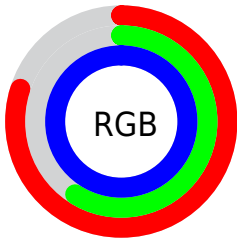
Format	Color
R_{YB}	203, 151, 255
Decimal	13342719
CIE _{Lab}	70.91, 38.84, -44.50
CIE _{LCh}	71, 59.062, 311.113
Yxy	42.0497, 0.2746, 0.2149
Android (android.graphics.Color)	4291532799 (0xFFC997FF)
YUV	178.4040, 37.7618, 21.5707
Hunter-Lab	64.8457, 34.4253, -45.9398

Details

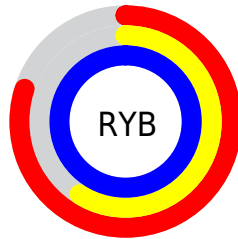
The Yxy color **42.0497, 0.2746, 0.2149** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **86.4644, 0.3385, 0.4435**, and the grayscale version is **44.5425, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.6226, 0.3150, 0.2811**, and **19.2039, 0.2626, 0.1890** is the 20% darker color. If you saturate the color by 10%, you get **32.9912, 0.2622, 0.1851**, and if you desaturate by 10%, it is **53.0342, 0.2859, 0.2449**.

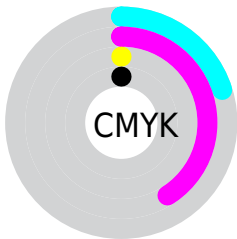
Distribution



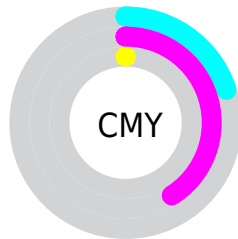
- Red (80%)
- Green (59%)
- Blue (100%)



- Red (80%)
- Yellow (59%)
- Blue (100%)



- Cyan (20%)
- Magenta (41%)
- Yellow (0%)
- Black (0%)




- Cyan (20%)
- Magenta (41%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.0497, 0.2746, 0.2149 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 42.0497, 0.2746, 0.2149 by changing the saturation by 10% instead.


 42.0497, 0.2746,
0.2149

 42.0497, 0.2746,
0.2149


354.6889, 0.2949,
0.2673

 29.1402, 0.2694,
0.2033


 78.2748, 0.2821,
0.2328

 19.1869, 0.2627,
0.1892


 102.3593, 0.2849,
0.2399

 11.8054, 0.2538,
0.1718


130.9375, 0.2872,
0.2460

 6.6113, 0.2415,
0.1500

164.3939, 0.2892,
0.2513

 3.2202, 0.2239,
0.1223

203.1128, 0.2909,
0.2560

 1.2478, 0.1975,
0.0873

247.4787, 0.2924,

 0.1002, 0.1607,

0.2602

0.0152

297.8759, 0.2937,
0.2639

0.0000, 0.0000,
0.0000

42.0497, 0.2746,
0.2149

42.0497, 0.2746,
0.2149

32.9912, 0.2622,
0.1851

53.0342, 0.2859,
0.2449

25.7345, 0.2490,
0.1569

66.0483, 0.2960,
0.2741

20.1484, 0.2356,
0.1319

81.1940, 0.3047,
0.3016

16.0810, 0.2225,
0.1115

98.5648, 0.3122,
0.3271

13.3506, 0.2103,
0.0967

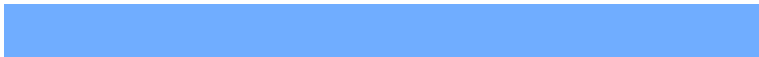
99.9999, 0.3127,
0.3290

■ 11.7551, 0.2003,
0.0877

Harmonies

Analogous

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



42.0497, 0.2103, 0.2023



42.0497, 0.2746, 0.2149



42.0497, 0.3603, 0.2498

Triad

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



42.0497, 0.2746, 0.2149



42.0497, 0.4652, 0.4216



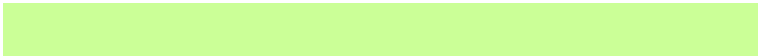
42.0497, 0.1959, 0.3413

Complementary

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



42.0497, 0.2746, 0.2149



86.4644, 0.3385, 0.4435

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.



42.0497, 0.2536, 0.4332



42.0497, 0.2746, 0.2149



42.0497, 0.4092, 0.4723

Square

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



42.0497, 0.2746, 0.2149



42.0497, 0.4799, 0.3605



42.0497, 0.3318, 0.4848



42.0497, 0.1701, 0.2615

Rectangle

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



42.0497, 0.2746, 0.2149



42.0497, 0.4167, 0.2826



42.0497, 0.3318, 0.4848



42.0497, 0.2118, 0.3728

Sweetspot

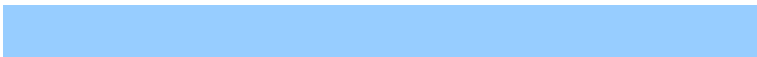
The Sweet Spot groups the original color and five complimentary colors.



42.0514, 0.2746, 0.2149



79.2152, 0.3037, 0.2984



57.3449, 0.2471, 0.2694



16.5128, 0.3026, 0.2948



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.



42.0514, 0.2746, 0.2149



34.4610, 0.2644, 0.1903



50.2965, 0.3160, 0.2279



17.8232, 0.3057, 0.3050



6.2311, 0.2019, 0.0886



0.6716, 0.2142, 0.0954

Inverse Universe

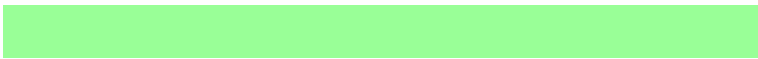
The Inverse Universe completely reimagines the original color for something new.



47.7201, 0.3642, 0.2754



41.0720, 0.3796, 0.2651



80.5040, 0.3077, 0.4551



18.1388, 0.3215, 0.3172



11.9492, 0.4961, 0.2507



1.1855, 0.4707, 0.2367

Previews

White Background



This preview shows how the Yxy color 42.0497, 0.2746, 0.2149 looks on a white background.

Color Contrast Check

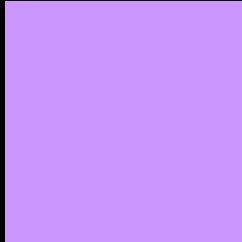
Large Text (above 18pt) WCAG AA × Fail

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 42.0497, 0.2746, 0.2149 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

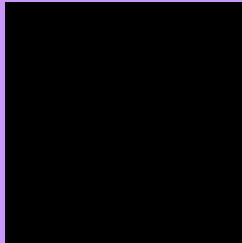
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.0497, 0.2746, 0.2149

Background



This preview shows how black text looks on a background with the Yxy color 42.0497, 0.2746, 0.2149.



This preview shows how white text looks on a background with the Yxy color 42.0497, 0.2746, 0.2149.

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

42.0497, 0.2746, 0.2149

Protanopia

42.3656, 0.2367, 0.2264

Deuteranopia

42.3097, 0.2377, 0.2313



Tritanopia

41.8799, 0.3227, 0.3122

Trichromacy



Original Color

42.0497, 0.2746, 0.2149



Protanomaly

41.8779, 0.2488, 0.2214



Deuteranomaly

41.5785, 0.2498, 0.2240



Tritanomaly

41.5968, 0.3046, 0.2724

Monochromacy



Original Color

42.0497, 0.2746, 0.2149



Achromatopsia

44.5201, 0.3127, 0.3290



Achromatomaly

43.0263, 0.2984, 0.2813

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.0497, 0.2746, 0.2149 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(203, 151, 255)` looks like.

```
.text, #text, p{  
    color:rgb(203, 151, 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(203, 151, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 151, 255) }
```

Border

The CSS property to change the border of an element to Yxy 42.0497, 0.2746, 0.2149 is called "border". The border property can be set on classes, ids or directly on the HTML element.

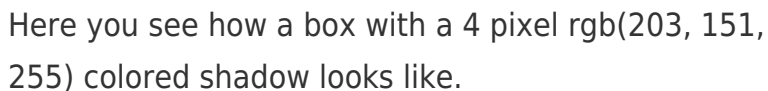
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(203, 151, 255) }
```

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

```
.border{ border-color:rgb(203, 151, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(203, 151, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(203, 151, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(203, 151, 255); box-shadow:4px 4px 4px 4px rgb(203, 151, 255) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 42.0497, 0.2746, 0.2149$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 151, 255) }
```

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

```
.background{ background-color: rgb(203,  
151, 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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