

Converting Colors

$Y_{xy}(42.4216, 0.2740, 0.2332)$

Have a look what the booklet for
Yxy(42.4216, 0.2740, 0.2332)
contains.

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Color

Yxy(42.4996, 0.2739, 0.2336)

Conversions

Conversions Part 1

Format	Color
Hex	BEA0F2
RGB	190, 160, 242
RGB Percent	75%, 63%, 95%
CMY	0.2550, 0.3725, 0.0509
CMYK	0.22, 0.34, 0.00, 0.05
HSL	262°, 76%, 79%
HSV	262°, 34%, 95%
XYZ	49.8315, 42.4996, 89.6021
YIQ	178.3180, -8.4420, 31.8620

Conversions

Conversions Part 2

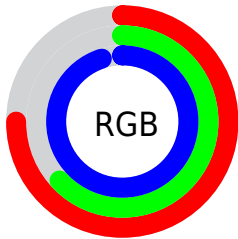
Format	Color
RYB	190, 160, 242
Decimal	12493042
CIELab	71.21, 27.25, -37.05
CIELCh	71, 45.993, 306.334
Yxy	42.4996, 0.2739, 0.2336
Android (android.graphics.Color)	4290683122 (0xFFBEA0F2)
YUV	178.3180, 31.3952, 10.2451
Hunter-Lab	65.1917, 22.3570, -35.8564

Details

The Yxy color $42.4996, 0.2739, 0.2336$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $80.0648, 0.3424, 0.4200$, and the grayscale version is $44.5320, 0.3127, 0.3290$.

A 20% lighter version of the original color is $75.5950, 0.3089, 0.2894$, and $19.4212, 0.2616, 0.2098$ is the 20% darker color. If you saturate the color by 10%, you get $33.0360, 0.2592, 0.2019$, and if you desaturate by 10%, it is $53.8084, 0.2872, 0.2643$.

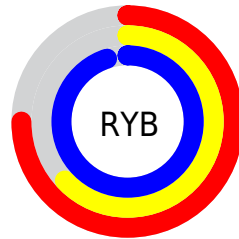
Distribution



Red (75%)

Green (63%)

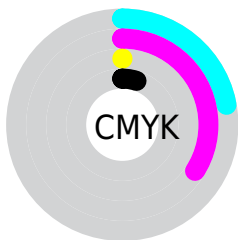
Blue (95%)



Red (75%)

Yellow (63%)

Blue (95%)

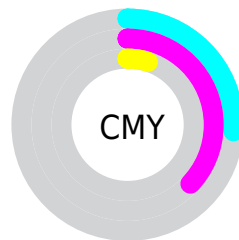


Cyan (22%)

Magenta (34%)

Yellow (0%)

Black (5%)



Cyan (26%)


Magenta (37%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.4996, 0.2739, 0.2336 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 42.4996, 0.2739, 0.2336 by changing the saturation by 10% instead.

 42.4996, 0.2739,
0.2336

 42.4996, 0.2739,
0.2336


356.5498, 0.2940,
0.2785

 29.4927, 0.2688,
0.2233


 78.9552, 0.2813,
0.2492

 19.4538, 0.2622,
0.2106


 103.1727, 0.2841,
0.2553

 11.9987, 0.2534,
0.1947


131.8958, 0.2864,
0.2605

 6.7428, 0.2414,
0.1742

165.5089, 0.2884,
0.2651

 3.3018, 0.2239,
0.1471

204.3965, 0.2901,
0.2690

 1.2912, 0.1972,
0.1109

248.9429, 0.2916,

 0.1344, 0.1595,

0.2726

0.0270

299.5326, 0.2929,
0.2757

0.0000, 0.0000,
0.0000

42.4996, 0.2739,
0.2336

42.4996, 0.2739,
0.2336

33.0360, 0.2592,
0.2019

53.8084, 0.2872,
0.2643

25.3108, 0.2434,
0.1705

67.0509, 0.2990,
0.2930

19.2141, 0.2272,
0.1410

82.3160, 0.3092,
0.3194

14.6206, 0.2113,
0.1153

98.5188, 0.3180,
0.3415

11.3858, 0.1967,
0.0949

99.1925, 0.3203,
0.3415

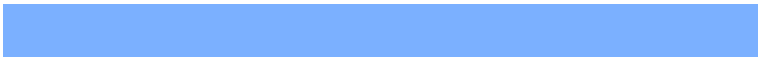
■ 9.3350, 0.1841,
0.0810

■ 8.5084, 0.1775,
0.0752

Harmonies

Analogous

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



42.4996, 0.2247, 0.2271



42.4996, 0.2739, 0.2336



42.4996, 0.3397, 0.2599

Triad

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



42.4996, 0.2739, 0.2336



42.4996, 0.4384, 0.3994



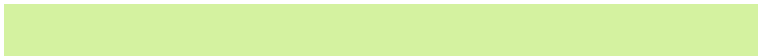
42.4996, 0.2263, 0.3512

Complementary

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



42.4996, 0.2739, 0.2336



80.0648, 0.3424, 0.4200

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.



42.4996, 0.2772, 0.4166



42.4996, 0.2739, 0.2336



42.4996, 0.4003, 0.4387

Square

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



42.4996, 0.2739, 0.2336



42.4996, 0.4409, 0.3499



42.4996, 0.3409, 0.4496



42.4996, 0.1994, 0.2865

Rectangle

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



42.4996, 0.2739, 0.2336



42.4996, 0.3840, 0.2860



42.4996, 0.3409, 0.4496



42.4996, 0.2409, 0.3746

Sweetspot

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



42.5013, 0.2739, 0.2336



81.8547, 0.3031, 0.3035



61.6370, 0.2602, 0.2948



17.0148, 0.3016, 0.2997



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.



42.5013, 0.2739, 0.2336



39.9508, 0.2634, 0.2107



48.3346, 0.3063, 0.2421



15.5099, 0.3037, 0.3050



4.6402, 0.1791, 0.0760



0.4405, 0.1937, 0.0840

Inverse Universe

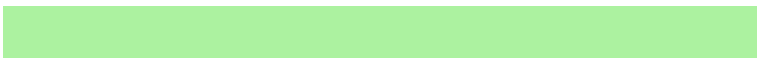
The Inverse Universe completely reimagines the original color for something new.



48.7832, 0.3424, 0.2735



48.2159, 0.3511, 0.2616



74.8649, 0.3156, 0.4282



15.9277, 0.3194, 0.3141



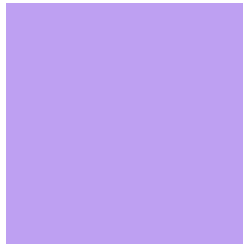
11.4140, 0.4399, 0.2197



0.9686, 0.4201, 0.2088

Previews

White Background



This preview shows how the Yxy color 42.4996, 0.2739, 0.2336 looks on a white background.

Color Contrast Check

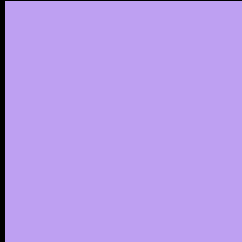
Large Text (above 18pt) WCAG AA × Fail

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 42.4996, 0.2739, 0.2336 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

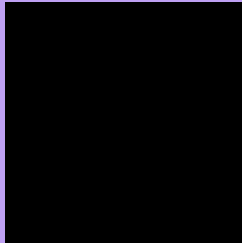
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.4996, 0.2739, 0.2336

Background



This preview shows how black text looks on a background with the Yxy color 42.4996, 0.2739, 0.2336.



This preview shows how white text looks on a background with the Yxy color 42.4996, 0.2739, 0.2336.

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

42.4996, 0.2739, 0.2336

Protanopia

42.8596, 0.2414, 0.2322

Deuteranopia

42.6663, 0.2506, 0.2440



Tritanopia

42.3319, 0.3091, 0.3105

Trichromacy



Original Color

42.4996, 0.2739, 0.2336

Protanomaly

42.6751, 0.2520, 0.2325

Deuteranomaly

42.5716, 0.2583, 0.2400

Tritanomaly

42.2840, 0.2958, 0.2796

Monochromacy



Original Color

42.4996, 0.2739, 0.2336

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

43.2879, 0.2980, 0.2906

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.4996, 0.2739, 0.2336 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(190, 160, 242)` looks like.

```
.text, #text, p{  
    color:rgb(190, 160, 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(190, 160, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 160, 242) }
```

Border

The CSS property to change the border of an element to Yxy 42.4996, 0.2739, 0.2336 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(190, 160, 242) }
```

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

```
.border{ border-color:rgb(190, 160, 242) }
```

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

Here you see how a box with a 4 pixel rgb(190, 160, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 160, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 160, 242);  
box-shadow:4px 4px 4px 4px rgb(190, 160,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 42.4996, 0.2739, 0.2336 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 160, 242) }
```

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

```
.background{ background-color: rgb(190,  
160, 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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