

Converting Colors

$Y_{xy}(42.2371, 0.2917, 0.2516)$

Have a look what the booklet for
Yxy(42.2371, 0.2917, 0.2516)
contains.

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Color

Yxy(42.4482, 0.2920, 0.2520)

Conversions

Conversions Part 1

Format	Color
Hex	C5A0E1
RGB	197, 160, 225
RGB Percent	77%, 63%, 88%
CMY	0.2274, 0.3725, 0.1178
CMYK	0.12, 0.29, 0.00, 0.12
HSL	274°, 52%, 75%
HSV	274°, 29%, 88%
XYZ	49.1860, 42.4482, 76.8110
YIQ	178.4730, 1.1870, 28.0590

Conversions

Conversions Part 2

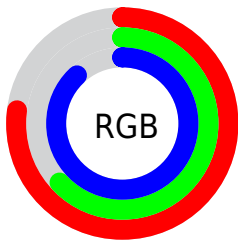
Format	Color
R _Y B	197, 160, 225
Decimal	12951777
CIE Lab	71.18, 25.65, -27.73
CIE LCh	71, 37.778, 312.771
Yxy	42.4482, 0.2920, 0.2520
Android (android.graphics.Color)	4291141857 (0xFFC5A0E1)
YUV	178.4730, 22.9378, 16.2482
Hunter-Lab	65.1523, 20.7401, -24.2931

Details

The Yxy color $42.4482, 0.2920, 0.2520$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $67.0571, 0.3284, 0.4079$, and the grayscale version is $44.6613, 0.3127, 0.3290$.

A 20% lighter version of the original color is $76.8917, 0.3138, 0.2900$, and $19.3782, 0.2841, 0.2316$ is the 20% darker color. If you saturate the color by 10%, you get $34.0775, 0.2826, 0.2231$, and if you desaturate by 10%, it is $52.3176, 0.3002, 0.2802$.

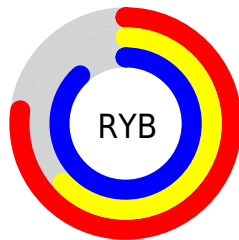
Distribution



Red (77%)

Green (63%)

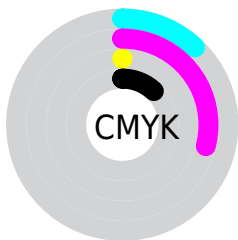
Blue (88%)



Red (77%)

Yellow (63%)

Blue (88%)

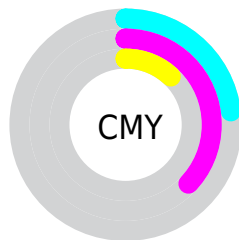


Cyan (12%)

Magenta (29%)

Yellow (0%)

Black (12%)



Cyan (23%)


Magenta (37%)


Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.4482, 0.2920, 0.2520 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 42.4482, 0.2920, 0.2520 by changing the saturation by 10% instead.

 42.4482, 0.2920,
0.2520

 42.4482, 0.2920,
0.2520

356.3375, 0.3031,
0.2888

 29.4524, 0.2891,
0.2434

 78.8775, 0.2962,
0.2650

 19.4233, 0.2852,
0.2326


 103.0798, 0.2977,
0.2700

 11.9766, 0.2799,
0.2188


131.7864, 0.2990,
0.2742

 6.7277, 0.2724,
0.2007

165.3817, 0.3001,
0.2779

 3.2924, 0.2610,
0.1759

204.2500, 0.3010,
0.2812

 1.2862, 0.2420,
0.1406

248.7759, 0.3018,

 0.1305, 0.2176,

0.2840

0.0378

299.3436, 0.3025,
0.2865

0.0000, 0.0000,
0.0000

42.4482, 0.2920,
0.2520

42.4482, 0.2920,
0.2520

34.0775, 0.2826,
0.2231

52.3176, 0.3002,
0.2802

27.1225, 0.2723,
0.1943

63.7524, 0.3073,
0.3069

21.5001, 0.2611,
0.1671

76.8215, 0.3133,
0.3317

17.1158, 0.2495,
0.1426

91.5882, 0.3184,
0.3544

13.8625, 0.2379,
0.1224

96.4418, 0.3242,
0.3588

■ 11.6138, 0.2268,
0.1072

■ 98.2145, 0.3304,
0.3582

■ 10.1761, 0.2165,
0.0970

■ 10.0363, 0.2154,
0.0960

Harmonies

Analogous

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



42.4482, 0.2466, 0.2429



42.4482, 0.2920, 0.2520



42.4482, 0.3474, 0.2776

Triad

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



42.4482, 0.2920, 0.2520



42.4482, 0.4126, 0.3975



42.4482, 0.2342, 0.3358

Complementary

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



42.4482, 0.2920, 0.2520



67.0571, 0.3284, 0.4079

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.



42.4482, 0.2737, 0.3898



42.4482, 0.2920, 0.2520



42.4482, 0.3770, 0.4243

Square

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



42.4482, 0.2920, 0.2520



42.4482, 0.4206, 0.3574



42.4482, 0.3259, 0.4239



42.4482, 0.2156, 0.2855

Rectangle

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



42.4482, 0.2920, 0.2520



42.4482, 0.3819, 0.3016



42.4482, 0.3259, 0.4239



42.4482, 0.2453, 0.3545

Sweetspot

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



42.4500, 0.2920, 0.2520



84.3963, 0.3072, 0.3064



48.9414, 0.2661, 0.2825



17.5605, 0.3062, 0.3026



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.



42.4500, 0.2920, 0.2520



49.0914, 0.2862, 0.2336



46.3467, 0.3197, 0.2617



13.6267, 0.3070, 0.3054



5.8555, 0.2169, 0.0969



0.4584, 0.2324, 0.1054

Inverse Universe

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



44.7747, 0.3492, 0.2968



52.8087, 0.3602, 0.2893



63.9993, 0.3062, 0.4070



13.7980, 0.3225, 0.3190



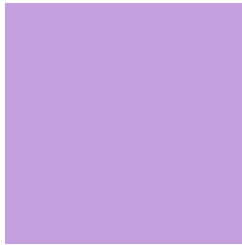
9.7421, 0.5245, 0.2663



0.6930, 0.4855, 0.2448

Previews

White Background



This preview shows how the Yxy color 42.4482, 0.2920, 0.2520 looks on a white background.

Color Contrast Check

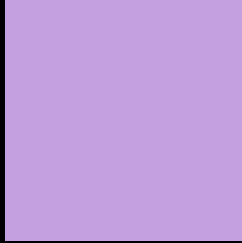
Large Text (above 18pt) WCAG AA × Fail

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 42.4482, 0.2920, 0.2520 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

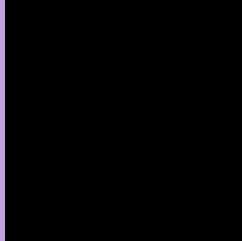
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.4482, 0.2920, 0.2520

Background



This preview shows how black text looks on a background with the Yxy color 42.4482, 0.2920, 0.2520.



This preview shows how white text looks on a background with the Yxy color 42.4482, 0.2920, 0.2520.

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

42.4482, 0.2920, 0.2520

Protanopia

42.6137, 0.2561, 0.2508

Deuteranopia

42.5605, 0.2694, 0.2629



Tritanopia

42.3298, 0.3209, 0.3109

Trichromacy



Original Color

42.4482, 0.2920, 0.2520

Protanomaly

42.5454, 0.2682, 0.2511

Deuteranomaly

42.3664, 0.2767, 0.2582

Tritanomaly

42.3249, 0.3102, 0.2876

Monochromacy



Original Color

42.4482, 0.2920, 0.2520

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

43.3802, 0.3054, 0.2982

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.4482, 0.2920, 0.2520 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(197, 160, 225)` looks like.

```
.text, #text, p{  
    color:rgb(197, 160, 225)  
}
```

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(197, 160, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 160, 225) }
```

Border

The CSS property to change the border of an element to Yxy 42.4482, 0.2920, 0.2520 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(197, 160, 225) }
```

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

```
.border{ border-color:rgb(197, 160, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 160, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 160, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 160, 225);  
box-shadow:4px 4px 4px 4px rgb(197, 160,  
225) }
```


Background

The CSS property to change the background color of an element to Yxy 42.4482, 0.2920, 0.2520 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 160, 225) }
```

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

```
.background{ background-color: rgb(197,  
160, 225) }
```

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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