

Converting Colors

$Y_{xy}(42.1992, 0.2917, 0.2692)$

Have a look what the booklet for
Yxy(42.1992, 0.2917, 0.2692)
contains.

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Color

Yxy(42.1535, 0.2920, 0.2693)

Conversions

Conversions Part 1

Format	Color
Hex	BAA5D5
RGB	186, 165, 213
RGB Percent	73%, 65%, 84%
CMY	0.2707, 0.3529, 0.1648
CMYK	0.13, 0.23, 0.00, 0.16
HSL	266°, 36%, 74%
HSV	266°, 23%, 84%
XYZ	45.7067, 42.1535, 68.6697
YIQ	176.7510, -2.8920, 19.3800

Conversions

Conversions Part 2

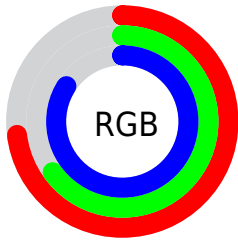
Format	Color
RYB	186, 165, 213
Decimal	12232149
CIELab	70.98, 16.83, -21.55
CIELCh	71, 27.345, 307.981
Yxy	42.1535, 0.2920, 0.2693
Android (android.graphics.Color)	4290422229 (0xFFBAA5D5)
YUV	176.7510, 17.8708, 8.1114
Hunter-Lab	64.9257, 12.0413, -17.2609

Details

The Yxy color $42.1535, 0.2920, 0.2693$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $61.5122, 0.3300, 0.3879$, and the grayscale version is $43.7336, 0.3127, 0.3290$.

A 20% lighter version of the original color is $77.2836, 0.3054, 0.2940$, and $19.1844, 0.2853, 0.2535$ is the 20% darker color. If you saturate the color by 10%, you get $33.6600, 0.2805, 0.2397$, and if you desaturate by 10%, it is $52.0563, 0.3021, 0.2972$.

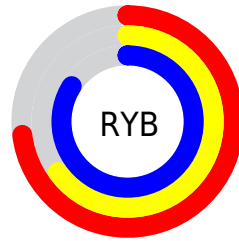
Distribution



Red (73%)

Green (65%)

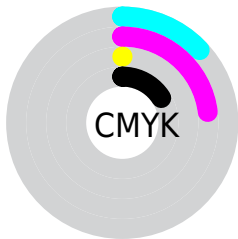
Blue (84%)



Red (73%)

Yellow (65%)

Blue (84%)

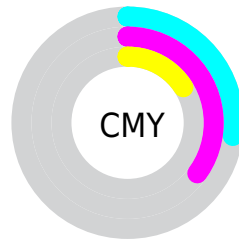


Cyan (13%)

Magenta (23%)

Yellow (0%)

Black (16%)



Cyan (27%)


Magenta (35%)


Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.1535, 0.2920, 0.2693 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 42.1535, 0.2920, 0.2693 by changing the saturation by 10% instead.


 42.1535, 0.2920,
0.2693

 42.1535, 0.2920,
0.2693


355.1189, 0.3028,
0.2984

 29.2215, 0.2892,
0.2623


 78.4319, 0.2960,
0.2797

 19.2484, 0.2855,
0.2534


 102.5471, 0.2975,
0.2837

 11.8499, 0.2805,
0.2419

131.1588, 0.2988,
0.2870

 6.6416, 0.2734,
0.2264

164.6514, 0.2998,
0.2899

 3.2390, 0.2625,
0.2044

203.4093, 0.3007,
0.2925

 1.2577, 0.2442,
0.1713

247.8169, 0.3015,

 0.1081, 0.2132,

0.2947

0.0449

298.2586, 0.3022,
0.2967

0.0000, 0.0000,
0.0000

42.1535, 0.2920,
0.2693

42.1535, 0.2920,
0.2693

33.6600, 0.2805,
0.2397

52.0563, 0.3021,
0.2972

26.5040, 0.2677,
0.2092

63.4249, 0.3107,
0.3229

20.6154, 0.2538,
0.1789

76.3192, 0.3181,
0.3463

15.9153, 0.2392,
0.1502

90.7942, 0.3243,
0.3673

12.3158, 0.2246,
0.1249

95.9093, 0.3316,
0.3709

■ 9.7158, 0.2106,
0.1043

■ 97.5835, 0.3376,
0.3701

■ 7.9947, 0.1980,
0.0896

■ 7.1302, 0.1897,
0.0819

Harmonies

Analogous

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



42.1535, 0.2598, 0.2652



42.1535, 0.2920, 0.2693



42.1535, 0.3319, 0.2870

Triad

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



42.1535, 0.2920, 0.2693



42.1535, 0.3881, 0.3766



42.1535, 0.2588, 0.3410

Complementary

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



42.1535, 0.2920, 0.2693



61.5122, 0.3300, 0.3879

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.



42.1535, 0.2906, 0.3772



42.1535, 0.2920, 0.2693



42.1535, 0.3657, 0.3967

Square

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



42.1535, 0.2920, 0.2693



42.1535, 0.3895, 0.3465



42.1535, 0.3297, 0.3981



42.1535, 0.2416, 0.3036

Rectangle

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



42.1535, 0.2920, 0.2693



42.1535, 0.3575, 0.3045



42.1535, 0.3297, 0.3981



42.1535, 0.2681, 0.3539

Sweetspot

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



42.1553, 0.2920, 0.2693



87.2776, 0.3070, 0.3115



50.5929, 0.2775, 0.3024



18.4576, 0.3064, 0.3099



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.



42.1553, 0.2920, 0.2693



57.0320, 0.2867, 0.2554



45.3917, 0.3125, 0.2729



12.2712, 0.3049, 0.3054



4.4141, 0.1912, 0.0827



0.3147, 0.2108, 0.0935

Inverse Universe

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



44.8694, 0.3335, 0.2968



61.8740, 0.3390, 0.2897



58.6486, 0.3121, 0.3913



12.5368, 0.3204, 0.3159



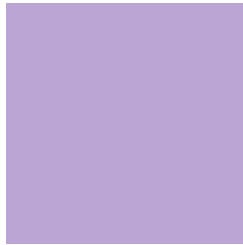
9.4903, 0.4681, 0.2353



0.5889, 0.4358, 0.2175

Previews

White Background



This preview shows how the Yxy color 42.1535, 0.2920, 0.2693 looks on a white background.

Color Contrast Check

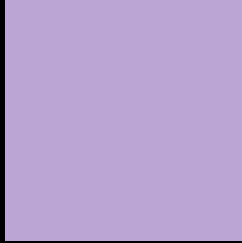
Large Text (above 18pt) WCAG AA × Fail

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 42.1535, 0.2920, 0.2693 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

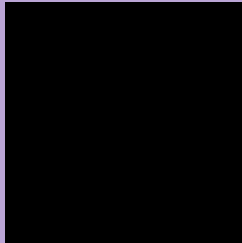
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.1535, 0.2920, 0.2693

Background



This preview shows how black text looks on a background with the Yxy color 42.1535, 0.2920, 0.2693.



This preview shows how white text looks on a background with the Yxy color 42.1535, 0.2920, 0.2693.

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

42.1535, 0.2920, 0.2693

Protanopia

42.3535, 0.2706, 0.2695

Deuteranopia

42.2736, 0.2815, 0.2750



Tritanopia

42.0339, 0.3109, 0.3105

Trichromacy



Original Color

42.1535, 0.2920, 0.2693

Protanomaly

41.9917, 0.2778, 0.2689

Deuteranomaly

42.1058, 0.2854, 0.2730

Tritanomaly

42.0127, 0.3037, 0.2941

Monochromacy



Original Color

42.1535, 0.2920, 0.2693

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

43.3081, 0.3050, 0.3068

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.1535, 0.2920, 0.2693 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(186, 165, 213)` looks like.

```
.text, #text, p{  
    color:rgb(186, 165, 213)  
}
```

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(186, 165, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 165, 213) }
```

Border

The CSS property to change the border of an element to Yxy 42.1535, 0.2920, 0.2693 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(186, 165, 213) }
```

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

```
.border{ border-color:rgb(186, 165, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 165, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 165, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 165, 213);  
box-shadow:4px 4px 4px 4px rgb(186, 165,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 42.1535, 0.2920, 0.2693 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 165, 213) }
```

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

```
.background{ background-color: rgb(186,  
165, 213) }
```

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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