

Converting Colors

$Y_{xy}(42.0818, 0.3194, 0.2719)$

Have a look what the booklet for
Yxy(42.0818, 0.3194, 0.2719)
contains.

Yxy(42.0770, 0.3191, 0.2719)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(42.0770, 0.3191, 0.2719)

Conversions

Conversions Part 1

Format	Color
Hex	D19DCD
RGB	209, 157, 205
RGB Percent	82%, 62%, 80%
CMY	0.1802, 0.3844, 0.1960
CMYK	0.00, 0.25, 0.02, 0.18
HSL	305°, 36%, 72%
HSV	305°, 25%, 82%
XYZ	49.3813, 42.0770, 63.2935
YIQ	178.0200, 15.5840, 25.9520

Conversions

Conversions Part 2

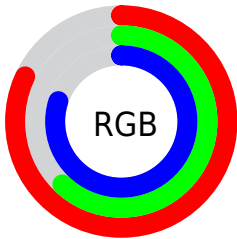
Format	Color
R_{YB}	209, 157, 205
Decimal	13737421
CIE Lab	70.92, 27.28, -17.05
CIE LCh	71, 32.171, 328.003
Yxy	42.0770, 0.3191, 0.2719
Android (android.graphics.Color)	4291927501 (0xFFD19DCD)
YUV	178.0200, 13.3011, 27.1695
Hunter-Lab	64.8668, 22.3702, -12.4452

Details

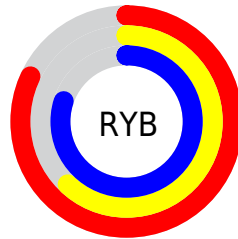
The Yxy color $42.0770, 0.3191, 0.2719$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $55.3594, 0.3068, 0.3936$, and the grayscale version is $44.4565, 0.3127, 0.3290$.

A 20% lighter version of the original color is $75.5670, 0.3147, 0.2871$, and $19.2075, 0.3200, 0.2565$ is the 20% darker color. If you saturate the color by 10%, you get $35.5238, 0.3221, 0.2490$, and if you desaturate by 10%, it is $49.8448, 0.3163, 0.2952$.

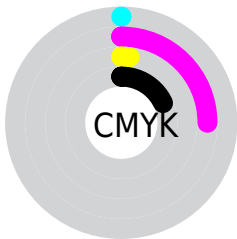
Distribution



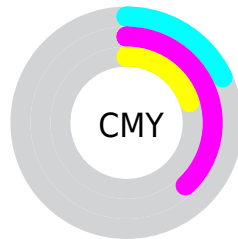
- Red (82%)
- Green (62%)
- Blue (80%)



- Red (82%)
- Yellow (62%)
- Blue (80%)



- Cyan (0%)
- Magenta (25%)
- Yellow (2%)
- Black (18%)



- Cyan (18%)
- Magenta (38%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.0770, 0.3191, 0.2719 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 42.0770, 0.3191, 0.2719 by changing the saturation by 10% instead.


 42.0770, 0.3191,
0.2719

 42.0770, 0.3191,
0.2719


354.8020, 0.3164,
0.2996

 29.1616, 0.3196,
0.2653


 78.3161, 0.3182,
0.2818

 19.2031, 0.3202,
0.2569


 102.4087, 0.3179,
0.2855

 11.8171, 0.3208,
0.2460


130.9957, 0.3176,
0.2887

 6.6193, 0.3215,
0.2314

164.4616, 0.3173,
0.2915

 3.2252, 0.3219,
0.2107

203.1908, 0.3170,
0.2939

 1.2504, 0.3213,
0.1794

247.5677, 0.3168,

 0.1023, 0.3454,

0.2960

0.0463

297.9766, 0.3166,
0.2979

0.0000, 0.0000,
0.0000

42.0770, 0.3191,
0.2719

42.0770, 0.3191,
0.2719

35.5238, 0.3221,
0.2490

49.8448, 0.3163,
0.2952

30.1179, 0.3252,
0.2273

58.8787, 0.3138,
0.3181

25.7943, 0.3284,
0.2077

69.2342, 0.3116,
0.3401

22.4790, 0.3316,
0.1913

80.9619, 0.3096,
0.3609

20.0887, 0.3347,
0.1787

89.8891, 0.3081,
0.3739

■ 18.5271, 0.3376,
0.1704

■ 89.9714, 0.3072,
0.3721

■ 17.6764, 0.3402,
0.1664

■ 90.0545, 0.3064,
0.3703

■ 17.4081, 0.3414,
0.1655

■ 90.1383, 0.3055,
0.3685

■ 90.2230, 0.3046,
0.3668

Harmonies

Analogous

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



42.0770, 0.2742, 0.2562



42.0770, 0.3191, 0.2719



42.0770, 0.3654, 0.3003

Triad

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



42.0770, 0.3191, 0.2719



42.0770, 0.3857, 0.4021



42.0770, 0.2343, 0.3122

Complementary

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



42.0770, 0.3191, 0.2719



55.3594, 0.3068, 0.3936

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.



42.0770, 0.2602, 0.3583



42.0770, 0.3191, 0.2719



42.0770, 0.3472, 0.4133

Square

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



42.0770, 0.3191, 0.2719



42.0770, 0.4050, 0.3728



42.0770, 0.3012, 0.3975



42.0770, 0.2280, 0.2759

Rectangle

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



42.0770, 0.3191, 0.2719



42.0770, 0.3894, 0.3237



42.0770, 0.3012, 0.3975



42.0770, 0.2408, 0.3272

Sweetspot

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



42.0788, 0.3191, 0.2719



89.0470, 0.3144, 0.3131



36.2347, 0.2731, 0.2593



18.8680, 0.3145, 0.3117



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.



42.0788, 0.3191, 0.2719



60.1463, 0.3207, 0.2593



40.9464, 0.3426, 0.3013



11.9927, 0.3149, 0.3078



10.7355, 0.3411, 0.1653



0.6050, 0.3370, 0.1630

Inverse Universe

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



42.0788, 0.3191, 0.2719



60.1463, 0.3207, 0.2593



56.3521, 0.2903, 0.3585



11.9927, 0.3149, 0.3078



10.7355, 0.3411, 0.1653



0.6050, 0.3370, 0.1630

Previews

White Background



This preview shows how the Yxy color 42.0770, 0.3191, 0.2719 looks on a white background.

Color Contrast Check

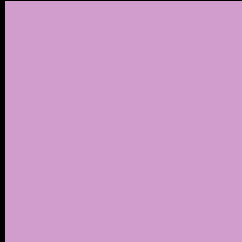
Large Text (above 18pt) WCAG AA × Fail

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 42.0770, 0.3191, 0.2719 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

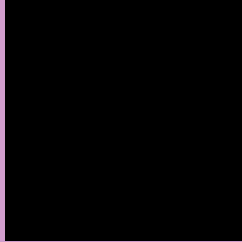
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.0770, 0.3191, 0.2719

Background



This preview shows how black text looks on a background with the Yxy color 42.0770, 0.3191, 0.2719.



This preview shows how white text looks on a background with the Yxy color 42.0770, 0.3191, 0.2719.

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

42.0770, 0.3191, 0.2719

Protanopia

42.3039, 0.2733, 0.2732

Deuteranopia

42.4084, 0.2923, 0.2864



Tritanopia

41.9149, 0.3421, 0.3128

Trichromacy



Original Color

42.0770, 0.3191, 0.2719

Protanomaly

42.0439, 0.2886, 0.2733

Deuteranomaly

42.0887, 0.3017, 0.2800

Tritanomaly

41.8086, 0.3331, 0.2970

Monochromacy



Original Color

42.0770, 0.3191, 0.2719

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

43.1991, 0.3147, 0.3059

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.0770, 0.3191, 0.2719 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(209, 157, 205)` looks like.

```
.text, #text, p{  
    color:rgb(209, 157, 205)  
}
```

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(209, 157, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 157, 205) }
```

Border

The CSS property to change the border of an element to Yxy 42.0770, 0.3191, 0.2719 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(209, 157, 205) }
```

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

```
.border{ border-color:rgb(209, 157, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 157, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 157, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 157, 205);  
box-shadow:4px 4px 4px 4px rgb(209, 157,  
205) }
```


Background

The CSS property to change the background color of an element to Yxy 42.0770, 0.3191, 0.2719 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 157, 205) }
```

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

```
.background{ background-color: rgb(209,  
157, 205) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor