

Converting Colors

Yxy(52.0391, 0.3044, 0.2689)

Have a look what the booklet for
Yxy(52.0391, 0.3044, 0.2689)
contains.

Yxy(51.9655, 0.3041, 0.2689)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(51.9655, 0.3041, 0.2689)

Conversions

Conversions Part 1

Format	Color
Hex	D9B1E7
RGB	217, 177, 231
RGB Percent	85%, 69%, 91%
CMY	0.1489, 0.3059, 0.0942
CMYK	0.06, 0.23, 0.00, 0.09
HSL	285°, 53%, 80%
HSV	285°, 23%, 91%
XYZ	58.7680, 51.9655, 82.5187
YIQ	195.1160, 6.5060, 25.2740

Conversions

Conversions Part 2

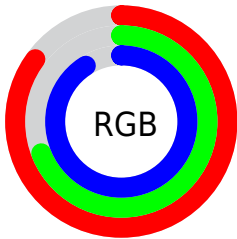
Format	Color
R _{YB}	217, 177, 231
Decimal	14266855
CIE _{Lab}	77.26, 23.98, -21.55
CIE _{LCh}	77, 32.240, 318.051
Yxy	51.9655, 0.3041, 0.2689
Android (android.graphics.Color)	4292456935 (0xFFD9B1E7)
YUV	195.1160, 17.6908, 19.1923
Hunter-Lab	72.0871, 19.3671, -17.4088

Details

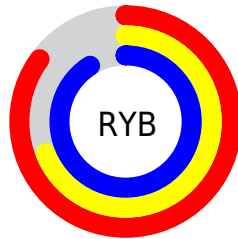
The Yxy color **51.9655, 0.3041, 0.2689** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **71.3817, 0.3191, 0.3929**, and the grayscale version is **54.5385, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.7578, 0.3137, 0.3078**, and **25.1918, 0.3018, 0.2548** is the 20% darker color. If you saturate the color by 10%, you get **42.7053, 0.2992, 0.2418**, and if you desaturate by 10%, it is **62.8074, 0.3082, 0.2954**.

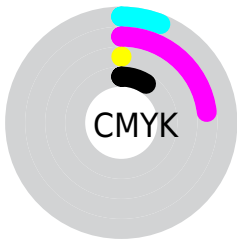
Distribution



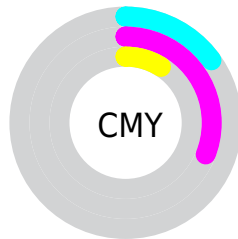
- Red (85%)
- Green (69%)
- Blue (91%)



- Red (85%)
- Yellow (69%)
- Blue (91%)



- Cyan (6%)
- Magenta (23%)
- Yellow (0%)
- Black (9%)





- Cyan (15%)
- Magenta (31%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.9655, 0.3041, 0.2689 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 51.9655, 0.3041, 0.2689 by changing the saturation by 10% instead.


 51.9655, 0.3041,
0.2689

 51.9655, 0.3041,
0.2689


394.3034, 0.3088,
0.2970

 36.9776, 0.3028,
0.2624


 93.0804, 0.3059,
0.2787

 25.1901, 0.3012,
0.2544


119.9761, 0.3065,
0.2825

 16.2188, 0.2989,
0.2443


151.6099, 0.3071,
0.2858

 9.6791, 0.2957,
0.2309

188.3661, 0.3075,
0.2886

 5.1867, 0.2908,
0.2129

230.6292, 0.3079,
0.2911

 2.3572, 0.2827,
0.1870

278.7835, 0.3082,

 0.8037, 0.2675,

0.2933

0.1474

333.2134, 0.3085,
0.2953

0.0000, 0.1994,
0.0000

0.0000, 0.0000,
0.0000

51.9655, 0.3041,
0.2689

51.9655, 0.3041,
0.2689

42.7053, 0.2992,
0.2418

62.8074, 0.3082,
0.2954

34.9421, 0.2937,
0.2151

75.2969, 0.3117,
0.3208

28.5932, 0.2875,
0.1897

89.5043, 0.3145,
0.3446

23.5653, 0.2808,
0.1668

95.9705, 0.3178,
0.3529

■ 19.7535, 0.2739,
0.1475

■ 97.0364, 0.3216,
0.3526

■ 17.0367, 0.2668,
0.1327

■ 98.1371, 0.3254,
0.3524

■ 15.2680, 0.2599,
0.1227

■ 98.5484, 0.3268,
0.3523

■ 14.4661, 0.2555,
0.1181

Harmonies

Analogous

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



51.9655, 0.2650, 0.2590



51.9655, 0.3041, 0.2689



51.9655, 0.3484, 0.2922

Triad

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



51.9655, 0.3041, 0.2689



51.9655, 0.3895, 0.3900



51.9655, 0.2453, 0.3275

Complementary

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



51.9655, 0.3041, 0.2689



71.3817, 0.3191, 0.3929

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.



51.9655, 0.2752, 0.3700



51.9655, 0.3041, 0.2689



51.9655, 0.3585, 0.4067

Square

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



51.9655, 0.3041, 0.2689



51.9655, 0.3995, 0.3594



51.9655, 0.3165, 0.4004



51.9655, 0.2330, 0.2892

Rectangle

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



51.9655, 0.3041, 0.2689



51.9655, 0.3741, 0.3130



51.9655, 0.3165, 0.4004



51.9655, 0.2535, 0.3419

Sweetspot

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



51.9677, 0.3041, 0.2689



88.2718, 0.3105, 0.3117



52.5458, 0.2744, 0.2812



18.6879, 0.3103, 0.3101



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.



51.9677, 0.3041, 0.2689



59.2654, 0.3019, 0.2560



53.5086, 0.3255, 0.2838



14.4182, 0.3097, 0.3055



8.1740, 0.2565, 0.1187



0.6479, 0.2663, 0.1241

Inverse Universe

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



52.1850, 0.3487, 0.3134



59.6408, 0.3585, 0.3100



70.1865, 0.3021, 0.3789



14.4288, 0.3252, 0.3230



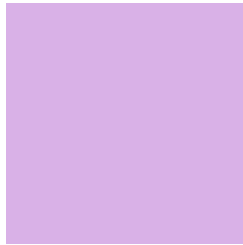
9.7221, 0.5898, 0.3023



0.7333, 0.5483, 0.2794

Previews

White Background



This preview shows how the Yxy color 51.9655, 0.3041, 0.2689 looks on a white background.

Color Contrast Check

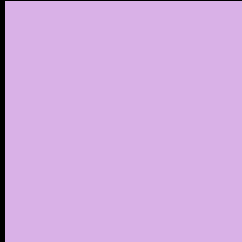
Large Text (above 18pt) WCAG AA × Fail

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 51.9655, 0.3041, 0.2689 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

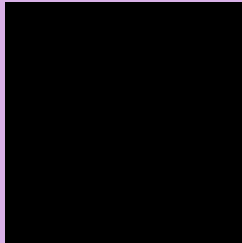
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.9655, 0.3041, 0.2689

Background



This preview shows how black text looks on a background with the Yxy color 51.9655, 0.3041, 0.2689.



This preview shows how white text looks on a background with the Yxy color 51.9655, 0.3041, 0.2689.

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

51.9655, 0.3041, 0.2689

Protanopia

52.2109, 0.2706, 0.2697

Deuteranopia

52.2742, 0.2854, 0.2794



Tritanopia

51.8952, 0.3262, 0.3125

Trichromacy



Original Color

51.9655, 0.3041, 0.2689

Protanomaly

52.0915, 0.2821, 0.2697

Deuteranomaly

51.8595, 0.2914, 0.2746

Tritanomaly

51.9473, 0.3184, 0.2966

Monochromacy



Original Color

51.9655, 0.3041, 0.2689

Achromatopsia

54.5724, 0.3127, 0.3290

Achromatomaly

53.2170, 0.3098, 0.3053

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.9655, 0.3041, 0.2689 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(217, 177, 231)` looks like.

```
.text, #text, p{  
    color:rgb(217, 177, 231)  
}
```

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(217, 177, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 177, 231) }
```

Border

The CSS property to change the border of an element to Yxy 51.9655, 0.3041, 0.2689 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(217, 177, 231) }
```

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

```
.border{ border-color:rgb(217, 177, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 177, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 177, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 177, 231);  
box-shadow:4px 4px 4px 4px rgb(217, 177,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 51.9655, 0.3041, 0.2689 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 177, 231) }
```

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

```
.background{ background-color: rgb(217,  
177, 231) }
```

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