

Converting Colors

$Y_{xy}(38.3213, 0.2976, 0.2214)$

Have a look what the booklet for
Yxy(38.3213, 0.2976, 0.2214)
contains.

Yxy(38.3213, 0.2976, 0.2214)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(38.3213, 0.2976, 0.2214)

Conversions

Conversions Part 1

Format	Color
Hex	D58AEB
RGB	213, 138, 235
RGB Percent	84%, 54%, 92%
CMY	0.1649, 0.4587, 0.0786
CMYK	0.09, 0.41, 0.00, 0.08
HSL	286°, 71%, 73%
HSV	286°, 41%, 92%
XYZ	51.5105, 38.3213, 83.2545
YIQ	171.4830, 13.5630, 46.0670

Conversions

Conversions Part 2

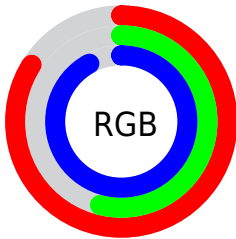
Format	Color
R _Y B	213, 138, 235
Decimal	13994731
CIE Lab	68.26, 44.48, -37.62
CIE LCh	68, 58.249, 319.777
Yxy	38.3213, 0.2976, 0.2214
Android (android.graphics.Color)	4292184811 (0xFFD58AEB)
YUV	171.4830, 31.3139, 36.4104
Hunter-Lab	61.9042, 40.1975, -36.4057

Details

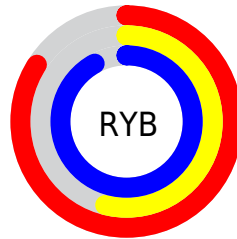
The Yxy color **38.3213, 0.2976, 0.2214** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **68.7132, 0.3205, 0.4513**, and the grayscale version is **40.8160, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.6199, 0.3156, 0.2683**, and **17.0783, 0.2914, 0.1962** is the 20% darker color. If you saturate the color by 10%, you get **31.5076, 0.2924, 0.1961**, and if you desaturate by 10%, it is **46.6230, 0.3022, 0.2480**.

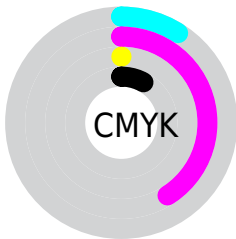
Distribution



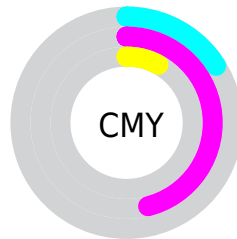
- Red (84%)
- Green (54%)
- Blue (92%)



- Red (84%)
- Yellow (54%)
- Blue (92%)



- Cyan (9%)
- Magenta (41%)
- Yellow (0%)
- Black (8%)





- Cyan (16%)
- Magenta (46%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.3213, 0.2976, 0.2214 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 38.3213, 0.2976, 0.2214 by changing the saturation by 10% instead.

 38.3213, 0.2976,
0.2214


 38.3213, 0.2976,
0.2214


338.9963, 0.3069,
0.2717

 26.2322, 0.2949,
0.2100


 72.6003, 0.3013,
0.2388

 16.9974, 0.2912,
0.1960


 95.5590, 0.3026,
0.2456

 10.2326, 0.2860,
0.1785


 122.9097, 0.3037,
0.2515

 5.5535, 0.2782,
0.1561

155.0367, 0.3045,
0.2566

 2.5755, 0.2661,
0.1271

192.3245, 0.3053,
0.2611

 0.9144, 0.2455,
0.0892

235.1574, 0.3059,


 0.0000, 0.2163,


0.2650


0.0000


283.9198, 0.3064,
0.2685


 0.0000, 0.0000,
0.0000

 38.3213, 0.2976,
0.2214


 38.3213, 0.2976,
0.2214

 31.5076, 0.2924,
0.1961


 46.6230, 0.3022,
0.2480


 26.0816, 0.2867,
0.1732


 56.4944, 0.3062,
0.2747

 21.9388, 0.2806,
0.1538


 68.0172, 0.3096,
0.3010


 18.9569, 0.2745,
0.1386

 81.2658, 0.3124,
0.3260


 16.9897, 0.2684,
0.1282

 95.9779, 0.3147,
0.3489

 15.8935, 0.2632,
0.1223

 96.9238, 0.3180,
0.3487

 97.8973, 0.3214,
0.3485

 98.7763, 0.3244,
0.3483

Harmonies

Analogous

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



38.3213, 0.2246, 0.2017



38.3213, 0.2976, 0.2214



38.3213, 0.3869, 0.2622

Triad

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



38.3213, 0.2976, 0.2214



38.3213, 0.4544, 0.4395



38.3213, 0.1831, 0.3148

Complementary

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



38.3213, 0.2976, 0.2214



68.7132, 0.3205, 0.4513

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.



38.3213, 0.2326, 0.4098



38.3213, 0.2976, 0.2214



38.3213, 0.3890, 0.4838

Square

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



38.3213, 0.2976, 0.2214



38.3213, 0.4837, 0.3786



38.3213, 0.3080, 0.4795



38.3213, 0.1665, 0.2433

Rectangle

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



38.3213, 0.2976, 0.2214



38.3213, 0.4397, 0.2979



38.3213, 0.3080, 0.4795



38.3213, 0.1960, 0.3455

Sweetspot

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



38.3229, 0.2976, 0.2214



80.7123, 0.3094, 0.2989



36.7715, 0.2406, 0.2319



16.8658, 0.3090, 0.2955



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.



38.3229, 0.2976, 0.2214



38.7041, 0.2929, 0.1986



40.4534, 0.3416, 0.2518



15.1313, 0.3102, 0.3055



8.9078, 0.2641, 0.1228



0.7416, 0.2723, 0.1274

Inverse Universe

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



38.3839, 0.3939, 0.3043



38.9840, 0.4219, 0.2994



67.4810, 0.2930, 0.4218



15.1101, 0.3257, 0.3237



9.9907, 0.5996, 0.3077



0.7988, 0.5612, 0.2865

Previews

White Background



This preview shows how the Yxy color 38.3213, 0.2976, 0.2214 looks on a white background.

Color Contrast Check

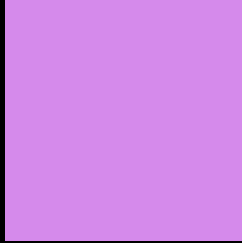
Large Text (above 18pt) WCAG AA × Fail

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 38.3213, 0.2976, 0.2214 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

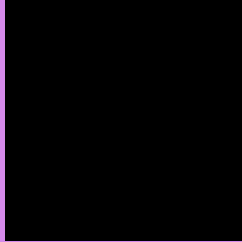
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.3213, 0.2976, 0.2214

Background



This preview shows how black text looks on a background with the Yxy color 38.3213, 0.2976, 0.2214.



This preview shows how white text looks on a background with the Yxy color 38.3213, 0.2976, 0.2214.

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

38.3213, 0.2976, 0.2214

Protanopia

38.8393, 0.2287, 0.2159

Deuteranopia

38.7344, 0.2497, 0.2443



Tritanopia

38.1956, 0.3517, 0.3138

Trichromacy



Original Color

38.3213, 0.2976, 0.2214



Protanomaly

38.0065, 0.2492, 0.2164



Deuteranomaly

37.8149, 0.2645, 0.2333



Tritanomaly

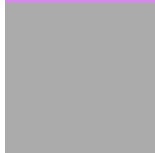
38.1629, 0.3319, 0.2776

Monochromacy



Original Color

38.3213, 0.2976, 0.2214



Achromatopsia

40.7240, 0.3127, 0.3290



Achromatomaly

39.1304, 0.3074, 0.2838

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.3213, 0.2976, 0.2214 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(213, 138, 235)` looks like.

```
.text, #text, p{  
    color:rgb(213, 138, 235)  
}
```

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(213, 138, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 138, 235) }
```

Border

The CSS property to change the border of an element to Yxy 38.3213, 0.2976, 0.2214 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(213, 138, 235) }
```

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

```
.border{ border-color:rgb(213, 138, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 138, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 138, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 138, 235);  
box-shadow:4px 4px 4px 4px rgb(213, 138,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 38.3213, 0.2976, 0.2214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 138, 235) }
```

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

```
.background{ background-color: rgb(213,  
138, 235) }
```

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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