

Converting Colors

$Y_{xy}(38.7360, 0.2568, 0.2082)$

Have a look what the booklet for
Yxy(38.7360, 0.2568, 0.2082)
contains.

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Color

Yxy(38.7360, 0.2568, 0.2082)

Conversions

Conversions Part 1

Format	Color
Hex	B496FF
RGB	180, 150, 255
RGB Percent	71%, 59%, 100%
CMY	0.2940, 0.4118, 0.0001
CMYK	0.29, 0.41, 0.00, 0.00
HSL	257°, 100%, 79%
HSV	257°, 41%, 100%
XYZ	47.7781, 38.7360, 99.5378
YIQ	170.9400, -15.8250, 39.0150

Conversions

Conversions Part 2

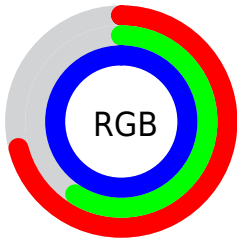
Format	Color
R_{YB}	180, 150, 255
Decimal	11835135
CIE _{Lab}	68.56, 33.08, -48.31
CIE _{LCh}	69, 58.552, 304.396
Yxy	38.7360, 0.2568, 0.2082
Android (android.graphics.Color)	4290025215 (0xFFB496FF)
YUV	170.9400, 41.4416, 7.9456
Hunter-Lab	62.2383, 28.1112, -51.2558

Details

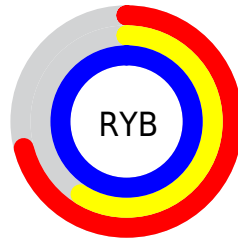
The Yxy color **38.7360, 0.2568, 0.2082** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **89.6995, 0.3538, 0.4390**, and the grayscale version is **40.4894, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.5829, 0.3028, 0.2772**, and **17.2860, 0.2397, 0.1804** is the 20% darker color. If you saturate the color by 10%, you get **29.4228, 0.2395, 0.1754**, and if you desaturate by 10%, it is **50.1092, 0.2729, 0.2407**.

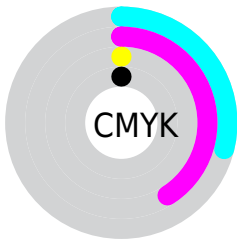
Distribution



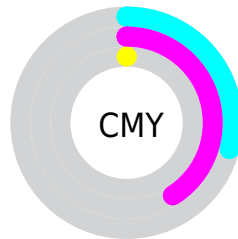
- Red (71%)
- Green (59%)
- Blue (100%)



- Red (71%)
- Yellow (59%)
- Blue (100%)



- Cyan (29%)
- Magenta (41%)
- Yellow (0%)
- Black (0%)





- Cyan (29%)
- Magenta (41%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.7360, 0.2568, 0.2082 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 38.7360, 0.2568, 0.2082 by changing the saturation by 10% instead.


 38.7360, 0.2568,
0.2082

 38.7360, 0.2568,
0.2082


340.7668, 0.2858,
0.2643

 26.5544, 0.2495,
0.1957


 73.2348, 0.2674,
0.2275

 17.2389, 0.2402,
0.1804


 96.3209, 0.2714,
0.2351

 10.4049, 0.2280,
0.1616


123.8105, 0.2748,
0.2416

 5.6683, 0.2116,
0.1382

156.0882, 0.2776,
0.2473

 2.6444, 0.1885,
0.1087

193.5383, 0.2801,
0.2524

 0.9491, 0.1553,
0.0723


236.5451, 0.2823,

 0.0000, 0.1086,


0.2568


0.0000


285.4931, 0.2842,
0.2608


 0.0000, 0.0000,
0.0000


 38.7360, 0.2568,
0.2082

 38.7360, 0.2568,
0.2082


 29.4228, 0.2395,
0.1754

 50.1092, 0.2729,
0.2407

 22.0381, 0.2218,
0.1440


 63.6539, 0.2875,
0.2716

 16.4417, 0.2046,
0.1161

 79.4789, 0.3004,
0.3002

 12.4718, 0.1889,
0.0935

 97.6843, 0.3115,
0.3262

 9.9358, 0.1759,
0.0778

99.9979, 0.3127,
0.3290

■ 8.6315, 0.1669,
0.0693

Harmonies

Analogous

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



38.7360, 0.1981, 0.2009



38.7360, 0.2568, 0.2082



38.7360, 0.3407, 0.2389

Triad

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



38.7360, 0.2568, 0.2082



38.7360, 0.4754, 0.4090



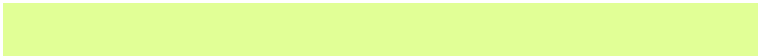
38.7360, 0.2043, 0.3629

Complementary

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



38.7360, 0.2568, 0.2082



89.6995, 0.3538, 0.4390

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.



38.7360, 0.2691, 0.4527



38.7360, 0.2568, 0.2082



38.7360, 0.4259, 0.4650

Square

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



38.7360, 0.2568, 0.2082



38.7360, 0.4788, 0.3468



38.7360, 0.3502, 0.4902



38.7360, 0.1709, 0.2754

Rectangle

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



38.7360, 0.2568, 0.2082



38.7360, 0.4003, 0.2699



38.7360, 0.3502, 0.4902



38.7360, 0.2228, 0.3954

Sweetspot

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



38.7375, 0.2568, 0.2082



78.0959, 0.2994, 0.2980



67.6752, 0.2506, 0.2944



16.2502, 0.2978, 0.2943



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.



38.7375, 0.2568, 0.2082



31.2828, 0.2433, 0.1825



46.2246, 0.2985, 0.2214



17.6293, 0.3023, 0.3047



4.5765, 0.1683, 0.0701



0.4982, 0.1798, 0.0764

Inverse Universe

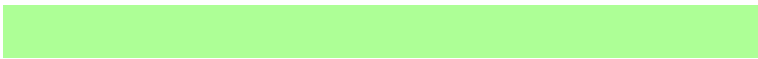
The Inverse Universe completely reimagines the original color for something new.



48.5002, 0.3435, 0.2535



42.3668, 0.3515, 0.2400



82.5561, 0.3198, 0.4519



18.2066, 0.3182, 0.3122



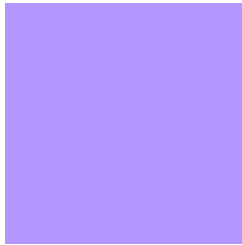
12.9020, 0.4096, 0.2030



1.2751, 0.3971, 0.1961

Previews

White Background



This preview shows how the Yxy color 38.7360, 0.2568, 0.2082 looks on a white background.

Color Contrast Check

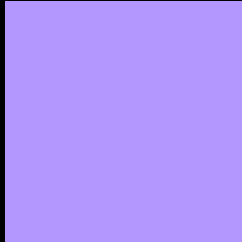
Large Text (above 18pt) WCAG AA × Fail

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 38.7360, 0.2568, 0.2082 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

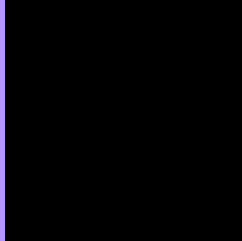
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.7360, 0.2568, 0.2082

Background



This preview shows how black text looks on a background with the Yxy color 38.7360, 0.2568, 0.2082.



This preview shows how white text looks on a background with the Yxy color 38.7360, 0.2568, 0.2082.

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

38.7360, 0.2568, 0.2082

Protanopia

38.8393, 0.2287, 0.2159

Deuteranopia

38.8899, 0.2273, 0.2204



Tritanopia

38.5671, 0.3001, 0.3095

Trichromacy



Original Color

38.7360, 0.2568, 0.2082

Protanomaly

38.5956, 0.2380, 0.2125

Deuteranomaly

38.4365, 0.2366, 0.2149

Tritanomaly

38.1927, 0.2828, 0.2673

Monochromacy



Original Color

38.7360, 0.2568, 0.2082

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

39.4573, 0.2903, 0.2779

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.7360, 0.2568, 0.2082 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(180, 150, 255)` looks like.

```
.text, #text, p{  
    color:rgb(180, 150, 255)  
}
```

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(180, 150, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 150, 255) }
```

Border

The CSS property to change the border of an element to Yxy 38.7360, 0.2568, 0.2082 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(180, 150, 255) }
```

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

```
.border{ border-color:rgb(180, 150, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 150, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 150, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 150, 255);  
box-shadow:4px 4px 4px 4px rgb(180, 150,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 38.7360, 0.2568, 0.2082 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 150, 255) }
```

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

```
.background{ background-color: rgb(180,  
150, 255) }
```

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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