

Converting Colors

$Y_{xy}(45.1815, 0.2703, 0.2356)$

Have a look what the booklet for
Yxy(45.1815, 0.2703, 0.2356)
contains.

Yxy(45.3619, 0.2706, 0.2360)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(45.3619, 0.2706, 0.2360)

Conversions

Conversions Part 1

Format	Color
Hex	BEA7F8
RGB	190, 167, 248
RGB Percent	75%, 65%, 97%
CMY	0.2546, 0.3452, 0.0274
CMYK	0.23, 0.33, 0.00, 0.03
HSL	257°, 85%, 81%
HSV	257°, 33%, 97%
XYZ	52.0124, 45.3619, 94.8371
YIQ	183.1110, -12.2930, 30.0670

Conversions

Conversions Part 2

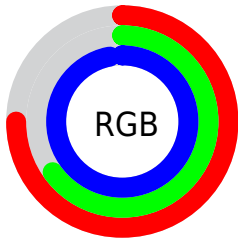
Format	Color
R _Y B	190, 167, 248
Decimal	12494840
CIE Lab	73.13, 24.79, -37.33
CIE LCh	73, 44.812, 303.590
Yxy	45.3619, 0.2706, 0.2360
Android (android.graphics.Color)	4290684920 (0xFFBEA7F8)
YUV	183.1110, 31.9903, 6.0417
Hunter-Lab	67.3512, 19.9831, -36.3402

Details

The Yxy color $45.3619, 0.2706, 0.2360$ is a light color, and the websafe version is hex $9999FF$. A complement of this color would be $85.9319, 0.3460, 0.4154$, and the grayscale version is $47.2493, 0.3127, 0.3290$.

A 20% lighter version of the original color is $79.2367, 0.3087, 0.2964$, and $21.1740, 0.2585, 0.2145$ is the 20% darker color. If you saturate the color by 10%, you get $34.9854, 0.2543, 0.2034$, and if you desaturate by 10%, it is $57.7623, 0.2854, 0.2672$.

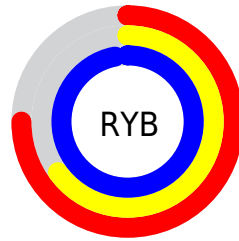
Distribution



Red (75%)

Green (65%)

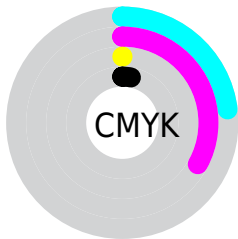
Blue (97%)



Red (75%)

Yellow (65%)

Blue (97%)

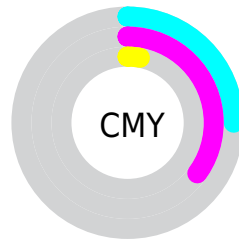


Cyan (23%)

Magenta (33%)

Yellow (0%)

Black (3%)



Cyan (25%)


Magenta (35%)


Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.3619, 0.2706, 0.2360 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 45.3619, 0.2706, 0.2360 by changing the saturation by 10% instead.


 45.3619, 0.2706,
0.2360


 45.3619, 0.2706,
0.2360


368.2373, 0.2920,
0.2795

 31.7426, 0.2653,
0.2261


 83.2632, 0.2784,
0.2511

 21.1650, 0.2585,
0.2140


 108.3140, 0.2813,
0.2569

 13.2446, 0.2495,
0.1987


137.9441, 0.2838,
0.2620

 7.5972, 0.2374,
0.1792

172.5378, 0.2859,
0.2664

 3.8383, 0.2201,
0.1535

212.4796, 0.2878,
0.2703

 1.5835, 0.1943,
0.1190

258.1538, 0.2894,

 0.3465, 0.1559,

0.2737

0.0576

309.9449, 0.2908,
0.2767

0.0000, 0.0000,
0.0000

45.3619, 0.2706,
0.2360

45.3619, 0.2706,
0.2360

34.9854, 0.2543,
0.2034

57.7623, 0.2854,
0.2672

26.5175, 0.2369,
0.1707

72.2827, 0.2985,
0.2961

19.8394, 0.2192,
0.1397

89.0192, 0.3099,
0.3224

14.8164, 0.2021,
0.1125

99.5586, 0.3168,
0.3357

11.2938, 0.1868,
0.0909

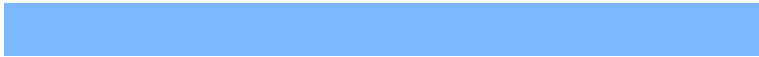
■ 9.0860, 0.1742,
0.0761

■ 8.1061, 0.1669,
0.0693

Harmonies

Analogous

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



45.3619, 0.2252, 0.2318



45.3619, 0.2706, 0.2360



45.3619, 0.3326, 0.2597

Triad

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



45.3619, 0.2706, 0.2360



45.3619, 0.4346, 0.3929



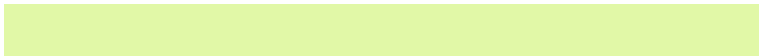
45.3619, 0.2337, 0.3565

Complementary

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



45.3619, 0.2706, 0.2360



85.9319, 0.3460, 0.4154

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.



45.3619, 0.2844, 0.4166



45.3619, 0.2706, 0.2360



45.3619, 0.4012, 0.4314

Square

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



45.3619, 0.2706, 0.2360



45.3619, 0.4332, 0.3451



45.3619, 0.3457, 0.4443



45.3619, 0.2054, 0.2937

Rectangle

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



45.3619, 0.2706, 0.2360



45.3619, 0.3753, 0.2841



45.3619, 0.3457, 0.4443



45.3619, 0.2485, 0.3784

Sweetspot

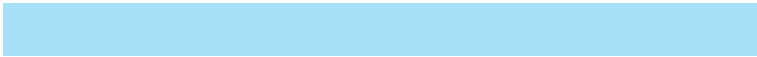
The Sweet Spot groups the original color and five complimentary colors.



45.3637, 0.2706, 0.2360



81.5002, 0.3017, 0.3034



68.8732, 0.2628, 0.3025



16.9294, 0.3001, 0.2996



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.



45.3637, 0.2706, 0.2360



41.0231, 0.2603, 0.2153



51.3066, 0.3023, 0.2441



16.8825, 0.3023, 0.3048



4.4392, 0.1683, 0.0701



0.4624, 0.1804, 0.0767

Inverse Universe

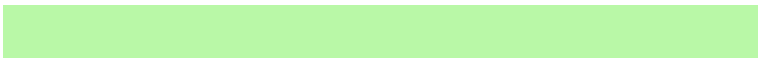
The Inverse Universe completely reimagines the original color for something new.



53.0210, 0.3355, 0.2691



50.4134, 0.3413, 0.2573



80.1931, 0.3190, 0.4232



17.4353, 0.3182, 0.3122



12.5276, 0.4091, 0.2028



1.1785, 0.3961, 0.1956

Previews

White Background



This preview shows how the Yxy color 45.3619, 0.2706, 0.2360 looks on a white background.

Color Contrast Check

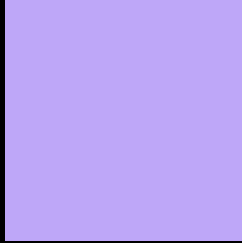
Large Text (above 18pt) WCAG AA × Fail

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 45.3619, 0.2706, 0.2360 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

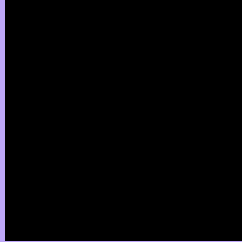
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.3619, 0.2706, 0.2360

Background



This preview shows how black text looks on a background with the Yxy color 45.3619, 0.2706, 0.2360.



This preview shows how white text looks on a background with the Yxy color 45.3619, 0.2706, 0.2360.

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

45.3619, 0.2706, 0.2360

Protanopia

45.6328, 0.2440, 0.2354

Deuteranopia

45.4690, 0.2513, 0.2449



Tritanopia

45.3499, 0.3033, 0.3108

Trichromacy



Original Color

45.3619, 0.2706, 0.2360

Protanomaly

45.2402, 0.2532, 0.2354

Deuteranomaly

45.1486, 0.2575, 0.2406

Tritanomaly

45.2159, 0.2914, 0.2816

Monochromacy



Original Color

45.3619, 0.2706, 0.2360

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

46.3884, 0.2968, 0.2915

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.3619, 0.2706, 0.2360 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(190, 167, 248)` looks like.

```
.text, #text, p{  
    color:rgb(190, 167, 248)  
}
```

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(190, 167, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 167, 248) }
```

Border

The CSS property to change the border of an element to Yxy 45.3619, 0.2706, 0.2360 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(190, 167, 248) }
```

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

```
.border{ border-color:rgb(190, 167, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 167, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 167, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 167, 248);  
box-shadow:4px 4px 4px 4px rgb(190, 167,  
248) }
```


Background

The CSS property to change the background color of an element to Yxy 45.3619, 0.2706, 0.2360 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 167, 248) }
```

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

```
.background{ background-color: rgb(190,  
167, 248) }
```

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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