

Converting Colors

$Yxy(43.8474, 0.2330, 0.1808)$

Have a look what the booklet for
Yxy(43.8474, 0.2330, 0.1808)
contains.

Yxy(40.5806, 0.2568, 0.2147)	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(40.5806, 0.2568, 0.2147)

Conversions

Conversions Part 1

Format	Color
Hex	B39CFF
RGB	179, 156, 255
RGB Percent	70%, 61%, 100%
CMY	0.2979, 0.3883, 0.0000
CMYK	0.30, 0.39, 0.00, 0.00
HSL	254°, 100%, 81%
HSV	254°, 39%, 100%
XYZ	48.5380, 40.5806, 99.8922
YIQ	174.1630, -18.0710, 35.6650

Conversions

Conversions Part 2

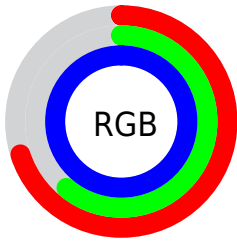
Format	Color
RYB	179, 156, 255
Decimal	11771135
CIELab	69.88, 29.48, -46.27
CIELCh	70, 54.858, 302.502
Yxy	40.5806, 0.2568, 0.2147
Android (android.graphics.Color)	4289961215 (0xFFB39CFF)
YUV	174.1630, 39.8526, 4.2420
Hunter-Lab	63.7029, 24.5267, -48.3803

Details

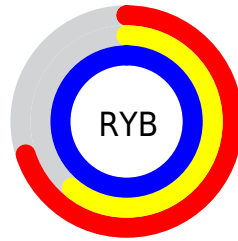
The Yxy color **40.5806, 0.2568, 0.2147** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **91.0651, 0.3553, 0.4313**, and the grayscale version is **42.2164, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.8131, 0.3020, 0.2844**, and **18.4655, 0.2409, 0.1889** is the 20% darker color. If you saturate the color by 10%, you get **30.7355, 0.2387, 0.1812**, and if you desaturate by 10%, it is **52.5540, 0.2737, 0.2475**.

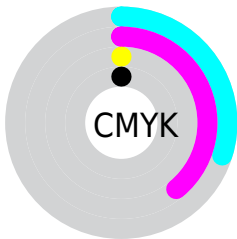
Distribution



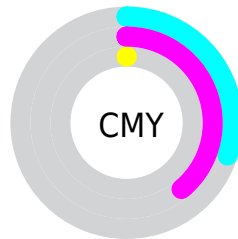
- Red (70%)
- Green (61%)
- Blue (100%)



- Red (70%)
- Yellow (61%)
- Blue (100%)



- Cyan (30%)
- Magenta (39%)
- Yellow (0%)
- Black (0%)





- Cyan (30%)
- Magenta (39%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.5806, 0.2568, 0.2147 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 40.5806, 0.2568, 0.2147 by changing the saturation by 10% instead.


 40.5806, 0.2568,
0.2147


 40.5806, 0.2568,
0.2147


348.5647, 0.2855,
0.2679

 27.9915, 0.2497,
0.2028


 76.0468, 0.2673,
0.2330

 18.3193, 0.2406,
0.1882


 99.6928, 0.2712,
0.2402

 11.1794, 0.2287,
0.1702


127.7931, 0.2745,
0.2464

 6.1877, 0.2128,
0.1476

160.7322, 0.2773,
0.2518

 2.9595, 0.1906,
0.1188

198.8946, 0.2798,
0.2566

 1.1106, 0.1584,
0.0825

242.6645, 0.2819,

 0.0000, 0.1151,

0.2608

0.0000

292.4264, 0.2838,
0.2645

0.0000, 0.0000,
0.0000

40.5806, 0.2568,
0.2147

40.5806, 0.2568,
0.2147

30.7355, 0.2387,
0.1812

52.5540, 0.2737,
0.2475

22.8892, 0.2201,
0.1486

66.7699, 0.2889,
0.2783

16.9015, 0.2020,
0.1191

83.3371, 0.3024,
0.3065

12.6124, 0.1857,
0.0948

100.0000, 0.3127,
0.3290

9.8339, 0.1723,
0.0774

■ 8.2988, 0.1623,
0.0672

■ 8.1619, 0.1614,
0.0663

Harmonies

Analogous

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



40.5806, 0.2032, 0.2097



40.5806, 0.2568, 0.2147



40.5806, 0.3337, 0.2424

Triad

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



40.5806, 0.2568, 0.2147



40.5806, 0.4658, 0.4018



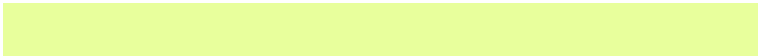
40.5806, 0.2153, 0.3663

Complementary

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



40.5806, 0.2568, 0.2147



91.0651, 0.3553, 0.4313

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.



40.5806, 0.2776, 0.4458



40.5806, 0.2568, 0.2147



40.5806, 0.4229, 0.4537

Square

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



40.5806, 0.2568, 0.2147



40.5806, 0.4646, 0.3433



40.5806, 0.3537, 0.4773



40.5806, 0.1812, 0.2846

Rectangle

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



40.5806, 0.2568, 0.2147



40.5806, 0.3888, 0.2711



40.5806, 0.3537, 0.4773



40.5806, 0.2334, 0.3955

Sweetspot

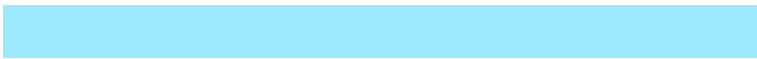
The Sweet Spot groups the original color and five complimentary colors.



40.5814, 0.2568, 0.2147



77.8234, 0.2983, 0.2979



72.8743, 0.2550, 0.3044



16.1864, 0.2966, 0.2942



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.



40.5814, 0.2568, 0.2147



32.3833, 0.2421, 0.1873



47.3140, 0.2942, 0.2259



17.5819, 0.3015, 0.3047



4.3203, 0.1626, 0.0670



0.4676, 0.1732, 0.0728

Inverse Universe

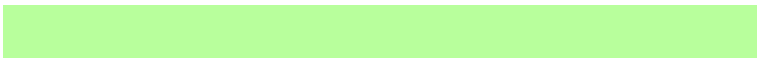
The Inverse Universe completely reimagines the original color for something new.



50.8546, 0.3366, 0.2529



44.1806, 0.3432, 0.2377



84.1150, 0.3237, 0.4425



18.2237, 0.3174, 0.3109



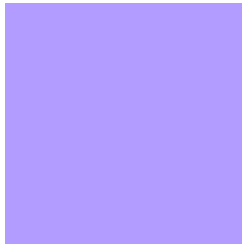
13.2061, 0.3905, 0.1925



1.3025, 0.3808, 0.1872

Previews

White Background



This preview shows how the Yxy color 40.5806, 0.2568, 0.2147 looks on a white background.

Color Contrast Check

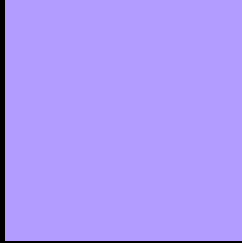
Large Text (above 18pt) WCAG AA × Fail

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 40.5806, 0.2568, 0.2147 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

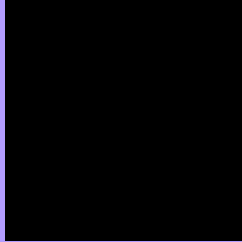
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.5806, 0.2568, 0.2147

Background



This preview shows how black text looks on a background with the Yxy color 40.5806, 0.2568, 0.2147.



This preview shows how white text looks on a background with the Yxy color 40.5806, 0.2568, 0.2147.

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

40.5806, 0.2568, 0.2147

Protanopia

40.8007, 0.2331, 0.2219

Deuteranopia

40.9286, 0.2321, 0.2266



Tritanopia

40.5858, 0.2969, 0.3111

Trichromacy



Original Color

40.5806, 0.2568, 0.2147

Protanomaly

40.6409, 0.2409, 0.2192

Deuteranomaly

40.5814, 0.2402, 0.2218

Tritanomaly

40.4716, 0.2810, 0.2718

Monochromacy



Original Color

40.5806, 0.2568, 0.2147

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

41.1793, 0.2913, 0.2823

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.5806, 0.2568, 0.2147 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(179, 156, 255)` looks like.

```
.text, #text, p{  
    color:rgb(179, 156, 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(179, 156, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 156, 255) }
```

Border

The CSS property to change the border of an element to Yxy 40.5806, 0.2568, 0.2147 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(179, 156, 255) }
```

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

```
.border{ border-color:rgb(179, 156, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 156, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 156, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 156, 255);  
box-shadow:4px 4px 4px 4px rgb(179, 156,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 40.5806, 0.2568, 0.2147 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 156, 255) }
```

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

```
.background{ background-color: rgb(179,  
156, 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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