

Converting Colors

$Y_{xy}(28.3770, 0.2437, 0.2149)$

Have a look what the booklet for
Yxy(28.3770, 0.2437, 0.2149)
contains.

Yxy(28.3770, 0.2437, 0.2149)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(28.3770, 0.2437, 0.2149)

Conversions

Conversions Part 1

Format	Color
Hex	8989DC
RGB	137, 137, 220
RGB Percent	54%, 54%, 86%
CMY	0.4627, 0.4627, 0.1373
CMYK	0.38, 0.38, 0.00, 0.14
HSL	240°, 54%, 70%
HSV	240°, 38%, 86%
XYZ	32.1800, 28.3770, 71.4905
YIQ	146.4620, -26.6430, 25.8130

Conversions

Conversions Part 2

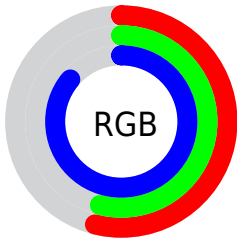
Format	Color
R _Y B	137, 137, 220
Decimal	9013724
CIE Lab	60.23, 19.92, -42.40
CIE LCh	60, 46.848, 295.161
Yxy	28.3770, 0.2437, 0.2149
Android (android.graphics.Color)	4287203804 (0xFF8989DC)
YUV	146.4620, 36.2542, -8.2982
Hunter-Lab	53.2701, 14.6076, -42.2804

Details

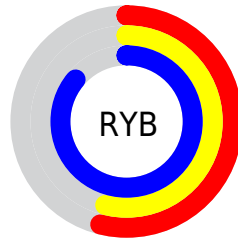
The Yxy color **28.3770, 0.2437, 0.2149** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **68.2063, 0.3691, 0.4223**, and the grayscale version is **28.8011, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.3844, 0.2706, 0.2563**, and **11.3357, 0.2220, 0.1840** is the 20% darker color. If you saturate the color by 10%, you get **21.0746, 0.2221, 0.1792**, and if you desaturate by 10%, it is **37.3355, 0.2645, 0.2493**.

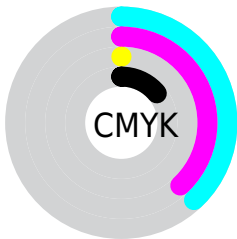
Distribution



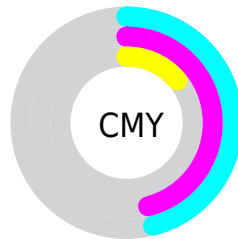
- Red (54%)
- Green (54%)
- Blue (86%)



- Red (54%)
- Yellow (54%)
- Blue (86%)



- Cyan (38%)
- Magenta (38%)
- Yellow (0%)
- Black (14%)




- Cyan (46%)
- Magenta (46%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.3770, 0.2437, 0.2149 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 28.3770, 0.2437, 0.2149 by changing the saturation by 10% instead.

 28.3770, 0.2437,
0.2149


 28.3770, 0.2437,
0.2149


294.2640, 0.2805,
0.2718


 18.6100, 0.2341,
0.2011


 57.0858, 0.2575,
0.2353

 11.3888, 0.2215,
0.1839


 76.7964, 0.2625,
0.2431

 6.3290, 0.2047,
0.1618


 100.5903, 0.2668,
0.2497

 3.0462, 0.1813,
0.1331

128.8520, 0.2704,
0.2554

 1.1559, 0.1477,
0.0955

161.9658, 0.2734,
0.2603

 0.0252, 0.0966,
0.0048

200.3162, 0.2761,

 0.0000, 0.0000,

0.2646

0.0000

244.2874, 0.2784,
0.2684

■ 28.3770, 0.2437,
0.2149

■ 28.3770, 0.2437,
0.2149

■ 21.0746, 0.2221,
0.1792

■ 37.3355, 0.2645,
0.2493

■ 15.3241, 0.2010,
0.1443

■ 48.0397, 0.2837,
0.2810

■ 11.0142, 0.1819,
0.1128

■ 60.5763, 0.3009,
0.3094

■ 8.0175, 0.1666,
0.0874

■ 75.0255, 0.3160,
0.3344

■ 6.1845, 0.1562,
0.0702

■ 91.4628, 0.3291,
0.3560

■ 5.3083, 0.1509,
0.0614

■ 97.9473, 0.3333,
0.3631

■ 5.1674, 0.1500,
0.0600

Harmonies

Analogous

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



28.3770, 0.1981, 0.2161



28.3770, 0.2437, 0.2149



28.3770, 0.3137, 0.2368

Triad

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



28.3770, 0.2437, 0.2149



28.3770, 0.4646, 0.3865



28.3770, 0.2314, 0.3855

Complementary

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



28.3770, 0.2437, 0.2149



68.2063, 0.3691, 0.4223

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.



28.3770, 0.2968, 0.4537



28.3770, 0.2437, 0.2149



28.3770, 0.4326, 0.4392

Square

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



28.3770, 0.2437, 0.2149



28.3770, 0.4510, 0.3297



28.3770, 0.3705, 0.4703



28.3770, 0.1908, 0.3039

Rectangle

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



28.3770, 0.2437, 0.2149



28.3770, 0.3670, 0.2621



28.3770, 0.3705, 0.4703



28.3770, 0.2511, 0.4122

Sweetspot

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



28.3781, 0.2437, 0.2149



78.4541, 0.2953, 0.3002



61.5988, 0.2611, 0.3306



16.2727, 0.2930, 0.2964



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.



28.3781, 0.2437, 0.2149



31.6477, 0.2272, 0.1876



32.4196, 0.2774, 0.2247



12.6173, 0.2981, 0.3048



3.0328, 0.1500, 0.0600



0.1965, 0.1500, 0.0600

Inverse Universe

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



34.9133, 0.4053, 0.3293



41.9903, 0.4346, 0.3294



62.6816, 0.3378, 0.4330



13.0515, 0.3292, 0.3290



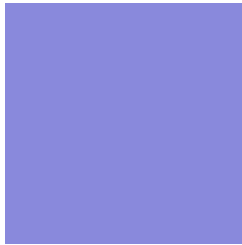
8.9299, 0.6401, 0.3300



0.5785, 0.6401, 0.3300

Previews

White Background



This preview shows how the Yxy color 28.3770, 0.2437, 0.2149 looks on a white background.

Color Contrast Check

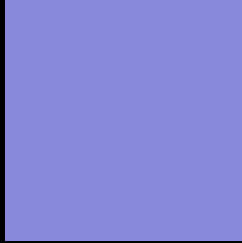
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.3770, 0.2437, 0.2149 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

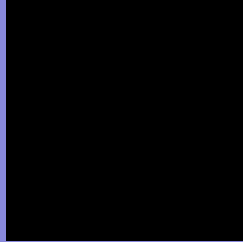
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.3770, 0.2437, 0.2149

Background



This preview shows how black text looks on a background with the Yxy color 28.3770, 0.2437, 0.2149.



This preview shows how white text looks on a background with the Yxy color 28.3770, 0.2437, 0.2149.

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

28.3770, 0.2437, 0.2149

Protanopia

28.4271, 0.2266, 0.2123

Deuteranopia

28.3880, 0.2283, 0.2221



Tritanopia

28.2791, 0.2771, 0.3092

Trichromacy



Original Color

28.3770, 0.2437, 0.2149

Protanomaly

28.2948, 0.2324, 0.2131

Deuteranomaly

28.1573, 0.2328, 0.2181

Tritanomaly

28.2174, 0.2643, 0.2715

Monochromacy



Original Color

28.3770, 0.2437, 0.2149

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

28.5017, 0.2849, 0.2830

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.3770, 0.2437, 0.2149 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(137, 137, 220)` looks like.

```
.text, #text, p{  
    color:rgb(137, 137, 220)  
}
```

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(137, 137, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 137, 220) }
```

Border

The CSS property to change the border of an element to Yxy 28.3770, 0.2437, 0.2149 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(137, 137, 220) }
```

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

```
.border{ border-color:rgb(137, 137, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 137, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 137, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 137, 220);  
box-shadow:4px 4px 4px 4px rgb(137, 137,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 28.3770, 0.2437, 0.2149 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 137, 220) }
```

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

```
.background{ background-color: rgb(137,  
137, 220) }
```

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