

Converting Colors

$Y_{xy}(27.1067, 0.2384, 0.2024)$

Have a look what the booklet for
Yxy(27.1067, 0.2384, 0.2024)
contains.

Yxy(27.1730, 0.2388, 0.2028)	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(27.1730, 0.2388, 0.2028)

Conversions

Conversions Part 1

Format	Color
Hex	8884E1
RGB	136, 132, 225
RGB Percent	53%, 52%, 88%
CMY	0.4667, 0.4823, 0.1175
CMYK	0.40, 0.41, 0.00, 0.12
HSL	243°, 61%, 70%
HSV	243°, 41%, 88%
XYZ	31.9966, 27.1730, 74.8195
YIQ	143.7980, -27.4690, 29.7710

Conversions

Conversions Part 2

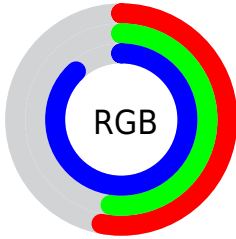
Format	Color
RYB	136, 132, 225
Decimal	8946913
CIELab	59.13, 23.97, -46.95
CIELCh	59, 52.711, 297.047
Yxy	27.1730, 0.2388, 0.2028
Android (android.graphics.Color)	4287136993 (0xFF8884E1)
YUV	143.7980, 40.0326, -6.8388
Hunter-Lab	52.1277, 18.3419, -48.6102

Details

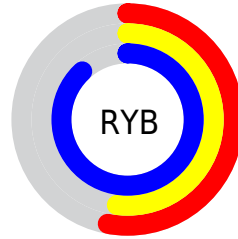
The Yxy color **27.1730, 0.2388, 0.2028** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **70.9184, 0.3712, 0.4320**, and the grayscale version is **27.6484, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.1244, 0.2694, 0.2505**, and **10.8004, 0.2154, 0.1705** is the 20% darker color. If you saturate the color by 10%, you get **20.0891, 0.2177, 0.1675**, and if you desaturate by 10%, it is **35.9375, 0.2593, 0.2375**.

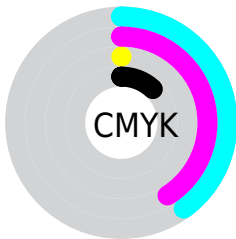
Distribution



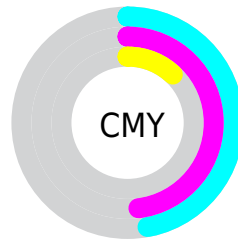
- Red (53%)
- Green (52%)
- Blue (88%)



- Red (53%)
- Yellow (52%)
- Blue (88%)



- Cyan (40%)
- Magenta (41%)
- Yellow (0%)
- Black (12%)



- Cyan (47%)
- Magenta (48%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.1730, 0.2388, 0.2028 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 27.1730, 0.2388, 0.2028 by changing the saturation by 10% instead.

■ 27.1730, 0.2388,
0.2028

■ 27.1730, 0.2388,
0.2028

■ 288.4938, 0.2784,
0.2652

■ 17.7032, 0.2284,
0.1880

■ 55.1614, 0.2536,
0.2250

■ 10.7371, 0.2150,
0.1696

■ 74.4487, 0.2591,
0.2335

■ 5.8903, 0.1971,
0.1463

■ 97.7773, 0.2636,
0.2408

■ 2.7785, 0.1724,
0.1167

■ 125.5316, 0.2675,
0.2470

■ 1.0172, 0.1377,
0.0795

■ 158.0961, 0.2708,
0.2524

■ 0.0000, 0.0852,
0.0000

■ 195.8550, 0.2737,

■ 0.0000, 0.0000,

0.2572

0.0000

239.1927, 0.2762,
0.2614

■ 27.1730, 0.2388,
0.2028

■ 27.1730, 0.2388,
0.2028

■ 20.0891, 0.2177,
0.1675

■ 35.9375, 0.2593,
0.2375

■ 14.5756, 0.1973,
0.1337

■ 46.4776, 0.2785,
0.2700

■ 10.5138, 0.1791,
0.1042

■ 58.8845, 0.2957,
0.2996

■ 7.7668, 0.1648,
0.0814

■ 73.2426, 0.3108,
0.3257

■ 6.1714, 0.1554,
0.0669

■ 89.6307, 0.3240,
0.3486

■ 5.5005, 0.1510,
0.0606

■ 98.2183, 0.3303,
0.3581

Harmonies

Analogous

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



27.1730, 0.1870, 0.2018



27.1730, 0.2388, 0.2028



27.1730, 0.3187, 0.2284

Triad

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



27.1730, 0.2388, 0.2028



27.1730, 0.4832, 0.3942



27.1730, 0.2164, 0.3876

Complementary

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



27.1730, 0.2388, 0.2028



70.9184, 0.3712, 0.4320

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.



27.1730, 0.2878, 0.4704



27.1730, 0.2388, 0.2028



27.1730, 0.4425, 0.4541

Square

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



27.1730, 0.2388, 0.2028



27.1730, 0.4730, 0.3316



27.1730, 0.3705, 0.4909



27.1730, 0.1744, 0.2936

Rectangle

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



27.1730, 0.2388, 0.2028



27.1730, 0.3797, 0.2569



27.1730, 0.3705, 0.4909



27.1730, 0.2375, 0.4196

Sweetspot

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



27.1740, 0.2388, 0.2028



76.8683, 0.2945, 0.2975



62.5531, 0.2557, 0.3249



15.9634, 0.2923, 0.2938



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.



27.1740, 0.2388, 0.2028



27.5110, 0.2198, 0.1709



31.8403, 0.2771, 0.2149



13.2711, 0.2987, 0.3048



3.1812, 0.1514, 0.0608



0.2305, 0.1554, 0.0630

Inverse Universe

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



37.7402, 0.3211, 0.2314



43.4419, 0.3231, 0.2124



64.6996, 0.3363, 0.4452



13.9250, 0.3144, 0.3069



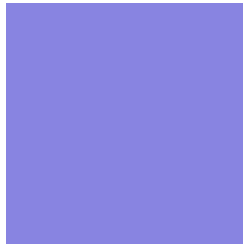
12.0672, 0.3319, 0.1602



0.8396, 0.3300, 0.1592

Previews

White Background



This preview shows how the Yxy color 27.1730, 0.2388, 0.2028 looks on a white background.

Color Contrast Check

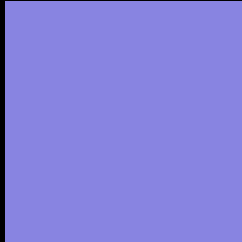
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.1730, 0.2388, 0.2028 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

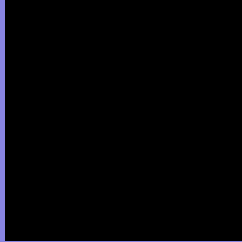
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.1730, 0.2388, 0.2028

Background



This preview shows how black text looks on a background with the Yxy color 27.1730, 0.2388, 0.2028.



This preview shows how white text looks on a background with the Yxy color 27.1730, 0.2388, 0.2028.

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

27.1730, 0.2388, 0.2028

Protanopia

27.2989, 0.2173, 0.2004

Deuteranopia

27.3264, 0.2180, 0.2117



Tritanopia

27.0195, 0.2765, 0.3088

Trichromacy



Original Color

27.1730, 0.2388, 0.2028

Protanomaly

27.0474, 0.2242, 0.2002

Deuteranomaly

27.0035, 0.2241, 0.2070

Tritanomaly

26.8628, 0.2619, 0.2647

Monochromacy



Original Color

27.1730, 0.2388, 0.2028

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

27.4360, 0.2827, 0.2780

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.1730, 0.2388, 0.2028 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(136, 132, 225)` looks like.

```
.text, #text, p{  
    color:rgb(136, 132, 225)  
}
```

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(136, 132, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 132, 225) }
```

Border

The CSS property to change the border of an element to Yxy 27.1730, 0.2388, 0.2028 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(136, 132, 225) }
```

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

```
.border{ border-color:rgb(136, 132, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 132, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 132, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 132, 225);  
box-shadow:4px 4px 4px 4px rgb(136, 132,  
225) }
```


Background

The CSS property to change the background color of an element to Yxy 27.1730, 0.2388, 0.2028 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 132, 225) }
```

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

```
.background{ background-color: rgb(136,  
132, 225) }
```

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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