

Converting Colors

$Y_{xy}(28.8381, 0.2435, 0.2084)$

Have a look what the booklet for
Yxy(28.8381, 0.2435, 0.2084)
contains.

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Color

Yxy(28.8501, 0.2436, 0.2086)

Conversions

Conversions Part 1

Format	Color
Hex	8E88E2
RGB	142, 136, 226
RGB Percent	56%, 53%, 89%
CMY	0.4431, 0.4667, 0.1136
CMYK	0.37, 0.40, 0.00, 0.11
HSL	244°, 61%, 71%
HSV	244°, 40%, 89%
XYZ	33.6907, 28.8501, 75.7626
YIQ	148.0540, -25.3140, 29.2620

Conversions

Conversions Part 2

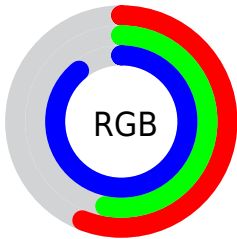
Format	Color
RYB	142, 136, 226
Decimal	9341154
CIELab	60.65, 23.47, -45.07
CIElCh	61, 50.818, 297.509
Yxy	28.8501, 0.2436, 0.2086
Android (android.graphics.Color)	4287531234 (0xFF8E88E2)
YUV	148.0540, 38.4274, -5.3094
Hunter-Lab	53.7123, 17.9666, -46.0315

Details

The Yxy color **28.8501, 0.2436, 0.2086** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **71.4015, 0.3675, 0.4291**, and the grayscale version is **29.4839, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.6210, 0.2739, 0.2559**, and **11.5841, 0.2213, 0.1766** is the 20% darker color. If you saturate the color by 10%, you get **21.4496, 0.2228, 0.1735**, and if you desaturate by 10%, it is **37.9480, 0.2636, 0.2429**.

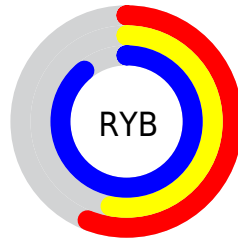
Distribution



Red (56%)

Green (53%)

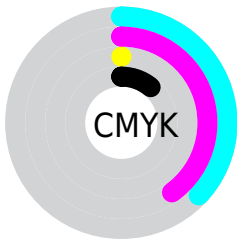
Blue (89%)



Red (56%)

Yellow (53%)

Blue (89%)

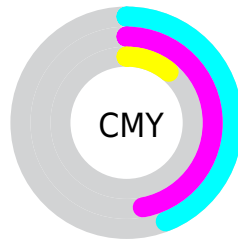


Cyan (37%)

Magenta (40%)

Yellow (0%)

Black (11%)



Cyan (44%)


Magenta (47%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.8501, 0.2436, 0.2086 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 28.8501, 0.2436, 0.2086 by changing the saturation by 10% instead.


 28.8501, 0.2436,
0.2086


 28.8501, 0.2436,
0.2086


296.5070, 0.2804,
0.2679


 18.9675, 0.2340,
0.1945


 57.8388, 0.2574,
0.2297

 11.6468, 0.2215,
0.1770


 77.7137, 0.2624,
0.2378

 6.5036, 0.2049,
0.1548


 101.6881, 0.2667,
0.2447

 3.1537, 0.1819,
0.1263

130.1465, 0.2703,
0.2506

 1.2125, 0.1492,
0.0899

163.4731, 0.2734,
0.2558

 0.0719, 0.1038,
0.0116

202.0525, 0.2760,

 0.0000, 0.0000,

0.2603

0.0000

246.2690, 0.2784,
0.2643

■ 28.8501, 0.2436,
0.2086

■ 28.8501, 0.2436,
0.2086

■ 21.4496, 0.2228,
0.1735

■ 37.9480, 0.2636,
0.2429

■ 15.6382, 0.2024,
0.1395

■ 48.8363, 0.2820,
0.2748

■ 11.3003, 0.1838,
0.1092

■ 61.6047, 0.2985,
0.3038

■ 8.3030, 0.1685,
0.0852

■ 76.3363, 0.3129,
0.3294

■ 6.4895, 0.1578,
0.0692

■ 93.1090, 0.3255,
0.3518

■ 5.6061, 0.1517,
0.0610

■ 98.2724, 0.3297,
0.3571

■ 5.5949, 0.1517,
0.0609

Harmonies

Analogous

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



28.8501, 0.1933, 0.2075



28.8501, 0.2436, 0.2086



28.8501, 0.3200, 0.2335

Triad

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



28.8501, 0.2436, 0.2086



28.8501, 0.4745, 0.3934



28.8501, 0.2206, 0.3829

Complementary

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



28.8501, 0.2436, 0.2086



71.4015, 0.3675, 0.4291

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.



28.8501, 0.2886, 0.4608



28.8501, 0.2436, 0.2086



28.8501, 0.4360, 0.4497

Square

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



28.8501, 0.2436, 0.2086



28.8501, 0.4649, 0.3333



28.8501, 0.3675, 0.4823



28.8501, 0.1806, 0.2950

Rectangle

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



28.8501, 0.2436, 0.2086



28.8501, 0.3776, 0.2611



28.8501, 0.3675, 0.4823



28.8501, 0.2408, 0.4128

Sweetspot

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



28.8512, 0.2436, 0.2086



76.9873, 0.2949, 0.2975



61.9252, 0.2568, 0.3213



15.9912, 0.2928, 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.



28.8512, 0.2436, 0.2086



29.5291, 0.2260, 0.1787



33.6658, 0.2814, 0.2202



13.2868, 0.2991, 0.3048



3.2090, 0.1522, 0.0612



0.2380, 0.1584, 0.0646

Inverse Universe

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



38.9477, 0.3228, 0.2368



44.6301, 0.3253, 0.2188



65.2993, 0.3335, 0.4414



13.9190, 0.3148, 0.3074



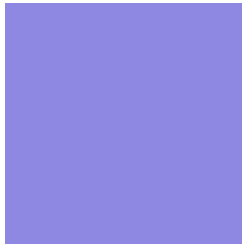
11.9116, 0.3384, 0.1638



0.8305, 0.3354, 0.1621

Previews

White Background



This preview shows how the Yxy color 28.8501, 0.2436, 0.2086 looks on a white background.

Color Contrast Check

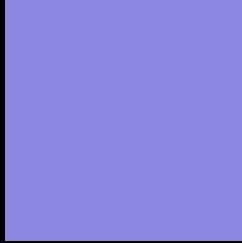
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.8501, 0.2436, 0.2086 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

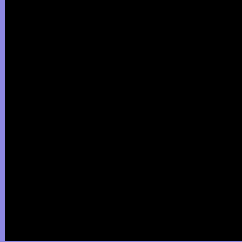
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.8501, 0.2436, 0.2086

Background



This preview shows how black text looks on a background with the Yxy color 28.8501, 0.2436, 0.2086.



This preview shows how white text looks on a background with the Yxy color 28.8501, 0.2436, 0.2086.

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

28.8501, 0.2436, 0.2086

Protanopia

28.9159, 0.2215, 0.2061

Deuteranopia

29.1277, 0.2239, 0.2180



Tritanopia

28.9334, 0.2800, 0.3094

Trichromacy



Original Color

28.8501, 0.2436, 0.2086

Protanomaly

28.6803, 0.2286, 0.2060

Deuteranomaly

28.7753, 0.2298, 0.2132

Tritanomaly

28.6591, 0.2654, 0.2679

Monochromacy



Original Color

28.8501, 0.2436, 0.2086

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

29.1921, 0.2852, 0.2807

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.8501, 0.2436, 0.2086 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(142, 136, 226)` looks like.

```
.text, #text, p{  
    color:rgb(142, 136, 226)  
}
```

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(142, 136, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 136, 226) }
```

Border

The CSS property to change the border of an element to Yxy 28.8501, 0.2436, 0.2086 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(142, 136, 226) }
```

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

```
.border{ border-color:rgb(142, 136, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 136, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 136, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 136, 226);  
box-shadow:4px 4px 4px 4px rgb(142, 136,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 28.8501, 0.2436, 0.2086 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 136, 226) }
```

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

```
.background{ background-color: rgb(142,  
136, 226) }
```

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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