

Converting Colors

$Y_{xy}(28.5752, 0.2631, 0.2368)$

Have a look what the booklet for
Yxy(28.5752, 0.2631, 0.2368)
contains.

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Color

Yxy(28.5997, 0.2629, 0.2370)

Conversions

Conversions Part 1

Format	Color
Hex	928ACB
RGB	146, 138, 203
RGB Percent	57%, 54%, 80%
CMY	0.4274, 0.4588, 0.2039
CMYK	0.28, 0.32, 0.00, 0.20
HSL	247°, 38%, 67%
HSV	247°, 32%, 80%
XYZ	31.7252, 28.5997, 60.3490
YIQ	147.8020, -16.0970, 21.9110

Conversions

Conversions Part 2

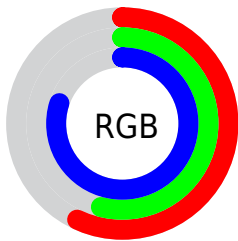
Format	Color
RYB	146, 138, 203
Decimal	9603787
CIELab	60.43, 17.41, -32.52
CIELCh	60, 36.884, 298.168
Yxy	28.5997, 0.2629, 0.2370
Android (android.graphics.Color)	4287793867 (0xFF928ACB)
YUV	147.8020, 27.2126, -1.5804
Hunter-Lab	53.4787, 12.3038, -29.4718

Details

The Yxy color **28.5997, 0.2629, 0.2370** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **56.1461, 0.3538, 0.4101**, and the grayscale version is **29.4190, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.8991, 0.2762, 0.2586**, and **11.5291, 0.2460, 0.2096** is the 20% darker color. If you saturate the color by 10%, you get **21.8043, 0.2438, 0.2032**, and if you desaturate by 10%, it is **36.7397, 0.2805, 0.2689**.

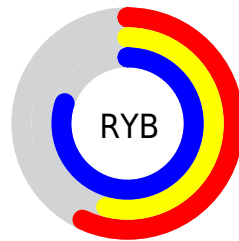
Distribution



Red (57%)

Green (54%)

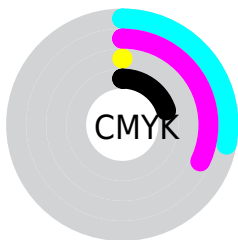
Blue (80%)



Red (57%)

Yellow (54%)

Blue (80%)

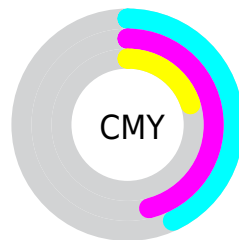


Cyan (28%)

Magenta (32%)

Yellow (0%)

Black (20%)



Cyan (43%)


Magenta (46%)


Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.5997, 0.2629, 0.2370 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 28.5997, 0.2629, 0.2370 by changing the saturation by 10% instead.


 28.5997, 0.2629,
0.2370


 28.5997, 0.2629,
0.2370


295.3215, 0.2898,
0.2838


 18.7782, 0.2556,
0.2253


 57.4405, 0.2731,
0.2541

 11.5101, 0.2459,
0.2103


 77.2286, 0.2768,
0.2605

 6.4111, 0.2326,
0.1905


 101.1076, 0.2799,
0.2659

 3.0966, 0.2133,
0.1637

129.4621, 0.2825,
0.2705

 1.1824, 0.1835,
0.1260

162.6763, 0.2848,
0.2745

 0.0472, 0.1312,
0.0132

201.1347, 0.2867,

 0.0000, 0.0000,

0.2780

0.0000

245.2216, 0.2884,
0.2811

■ 28.5997, 0.2629,
0.2370

■ 28.5997, 0.2629,
0.2370

■ 21.8043, 0.2438,
0.2032

■ 36.7397, 0.2805,
0.2689

■ 16.2777, 0.2239,
0.1689

■ 46.2880, 0.2963,
0.2980

■ 11.9417, 0.2043,
0.1361

■ 57.3082, 0.3101,
0.3241

■ 8.7079, 0.1862,
0.1072

■ 69.8591, 0.3221,
0.3471

■ 6.4755, 0.1711,
0.0845

■ 83.9961, 0.3325,
0.3672

■ 5.1249, 0.1601,
0.0694

■ 96.6734, 0.3421,
0.3803

■ 4.5195, 0.1543,
0.0624

■ 97.0919, 0.3436,
0.3800

Harmonies

Analogous

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



28.5997, 0.2227, 0.2368



28.5997, 0.2629, 0.2370



28.5997, 0.3206, 0.2568

Triad

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



28.5997, 0.2629, 0.2370



28.5997, 0.4324, 0.3830



28.5997, 0.2443, 0.3669

Complementary

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



28.5997, 0.2629, 0.2370



56.1461, 0.3538, 0.4101

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.



28.5997, 0.2961, 0.4204



28.5997, 0.2629, 0.2370



28.5997, 0.4058, 0.4224

Square

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



28.5997, 0.2629, 0.2370



28.5997, 0.4241, 0.3364



28.5997, 0.3553, 0.4400



28.5997, 0.2124, 0.3053

Rectangle

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



28.5997, 0.2629, 0.2370



28.5997, 0.3621, 0.2789



28.5997, 0.3553, 0.4400



28.5997, 0.2598, 0.3872

Sweetspot

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



28.6008, 0.2629, 0.2370



80.8005, 0.2991, 0.3032



48.9326, 0.2661, 0.3186



16.7613, 0.2970, 0.2993



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.



28.6008, 0.2629, 0.2370



40.2617, 0.2507, 0.2152



31.9623, 0.2923, 0.2442



10.9093, 0.3001, 0.3052



2.8978, 0.1550, 0.0627



0.1721, 0.1685, 0.0702

Inverse Universe

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



34.8113, 0.3241, 0.2590



52.2207, 0.3269, 0.2450



52.3253, 0.3274, 0.4175



11.3790, 0.3156, 0.3089



10.1328, 0.3545, 0.1726



0.5296, 0.3470, 0.1685

Previews

White Background



This preview shows how the Yxy color 28.5997, 0.2629, 0.2370 looks on a white background.

Color Contrast Check

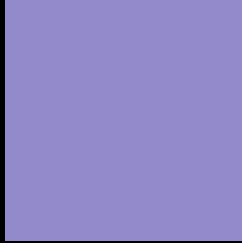
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.5997, 0.2629, 0.2370 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

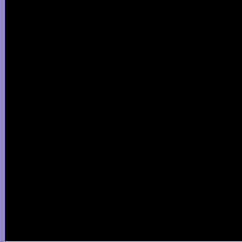
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.5997, 0.2629, 0.2370

Background



This preview shows how black text looks on a background with the Yxy color 28.5997, 0.2629, 0.2370.



This preview shows how white text looks on a background with the Yxy color 28.5997, 0.2629, 0.2370.

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

28.5997, 0.2629, 0.2370

Protanopia

28.5855, 0.2448, 0.2357

Deuteranopia

28.7228, 0.2491, 0.2435



Tritanopia

28.6544, 0.2925, 0.3113

Trichromacy



Original Color

28.5997, 0.2629, 0.2370

Protanomaly

28.4925, 0.2505, 0.2352

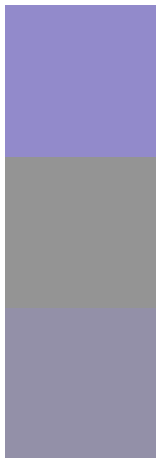
Deuteranomaly

28.6786, 0.2542, 0.2417

Tritanomaly

28.5780, 0.2813, 0.2828

Monochromacy



Original Color

28.5997, 0.2629, 0.2370

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

28.9767, 0.2932, 0.2922

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.5997, 0.2629, 0.2370 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(146, 138, 203)` looks like.

```
.text, #text, p{  
    color:rgb(146, 138, 203)  
}
```

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(146, 138, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 138, 203) }
```

Border

The CSS property to change the border of an element to Yxy 28.5997, 0.2629, 0.2370 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(146, 138, 203) }
```

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

```
.border{ border-color:rgb(146, 138, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 138, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 138, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 138, 203);  
box-shadow:4px 4px 4px 4px rgb(146, 138,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 28.5997, 0.2629, 0.2370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 138, 203) }
```

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

```
.background{ background-color: rgb(146,  
138, 203) }
```

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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