

Converting Colors

$Y_{xy}(28.6499, 0.2610, 0.2496)$

Have a look what the booklet for
Yxy(28.6499, 0.2610, 0.2496)
contains.

Yxy(28.6499, 0.2610, 0.2496)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(28.6499, 0.2610, 0.2496)

Conversions

Conversions Part 1

Format	Color
Hex	898EC4
RGB	137, 142, 196
RGB Percent	54%, 56%, 77%
CMY	0.4626, 0.4432, 0.2314
CMYK	0.30, 0.28, 0.00, 0.23
HSL	235°, 33%, 65%
HSV	235°, 30%, 77%
XYZ	29.9584, 28.6499, 56.1749
YIQ	146.6610, -20.3140, 15.7340

Conversions

Conversions Part 2

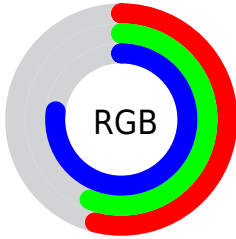
Format	Color
R_{YB}	137, 142, 196
Decimal	9014980
CIE _{Lab}	60.47, 10.66, -28.56
CIE _{LCh}	60, 30.484, 290.463
Yxy	28.6499, 0.2610, 0.2496
Android (android.graphics.Color)	4287205060 (0xFF898EC4)
YUV	146.6610, 24.3241, -8.4727
Hunter-Lab	53.5256, 6.2371, -24.7567

Details

The Yxy color **28.6499, 0.2610, 0.2496** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **50.8284, 0.3593, 0.3976**, and the grayscale version is **28.9377, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.7782, 0.2717, 0.2651**, and **11.5386, 0.2435, 0.2256** is the 20% darker color. If you saturate the color by 10%, you get **22.2225, 0.2409, 0.2178**, and if you desaturate by 10%, it is **36.2411, 0.2799, 0.2790**.

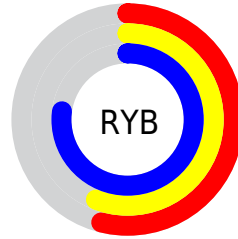
Distribution



Red (54%)

Green (56%)

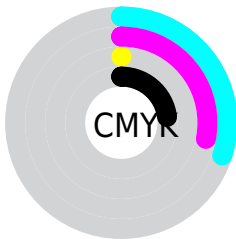
Blue (77%)



Red (54%)

Yellow (56%)

Blue (77%)

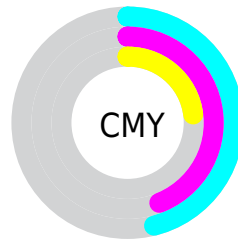


Cyan (30%)

Magenta (28%)

Yellow (0%)

Black (23%)



Cyan (46%)

Magenta (44%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.6499, 0.2610, 0.2496 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 28.6499, 0.2610, 0.2496 by changing the saturation by 10% instead.

■ 28.6499, 0.2610,
0.2496

■ 28.6499, 0.2610,
0.2496

■ 295.5595, 0.2887,
0.2906

■ 18.8161, 0.2535,
0.2391

■ 57.5204, 0.2715,
0.2648

■ 11.5375, 0.2436,
0.2254

■ 77.3259, 0.2753,
0.2704

■ 6.4296, 0.2300,
0.2071

■ 101.2241, 0.2785,
0.2751

■ 3.1080, 0.2102,
0.1816

■ 129.5994, 0.2812,
0.2791

■ 1.1884, 0.1795,
0.1445

■ 162.8362, 0.2835,
0.2826

■ 0.0522, 0.1077,
0.0181

■ 201.3189, 0.2855,

■ 0.0000, 0.0000,

0.2856

0.0000

245.4318, 0.2872,
0.2883

■ 28.6499, 0.2610,
0.2496

■ 28.6499, 0.2610,
0.2496

■ 22.2225, 0.2409,
0.2178

■ 36.2411, 0.2799,
0.2790

■ 16.8980, 0.2203,
0.1847

■ 45.0462, 0.2972,
0.3054

■ 12.6154, 0.2003,
0.1519

■ 55.1164, 0.3126,
0.3288

■ 9.3059, 0.1822,
0.1216

■ 66.4991, 0.3262,
0.3493

■ 6.8927, 0.1676,
0.0959

■ 79.2390, 0.3382,
0.3669

■ 5.2873, 0.1573,
0.0769

■ 93.3790, 0.3486,
0.3822

■ 4.3693, 0.1514,
0.0652

■ 96.7655, 0.3478,
0.3870

Harmonies

Analogous

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



28.6499, 0.2313, 0.2549



28.6499, 0.2610, 0.2496



28.6499, 0.3065, 0.2623

Triad

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



28.6499, 0.2610, 0.2496



28.6499, 0.4130, 0.3660



28.6499, 0.2660, 0.3729

Complementary

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



28.6499, 0.2610, 0.2496



50.8284, 0.3593, 0.3976

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.



28.6499, 0.3124, 0.4104



28.6499, 0.2610, 0.2496



28.6499, 0.3986, 0.4007

Square

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



28.6499, 0.2610, 0.2496



28.6499, 0.3979, 0.3263



28.6499, 0.3611, 0.4193



28.6499, 0.2337, 0.3227

Rectangle

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



28.6499, 0.2610, 0.2496



28.6499, 0.3409, 0.2791



28.6499, 0.3611, 0.4193



28.6499, 0.2804, 0.3879

Sweetspot

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



28.6510, 0.2610, 0.2496



83.2157, 0.2987, 0.3078



48.5242, 0.2735, 0.3371



17.2698, 0.2963, 0.3041



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.



28.6510, 0.2610, 0.2496



44.1161, 0.2480, 0.2292



29.4281, 0.2816, 0.2471



9.8808, 0.2983, 0.3072



2.8611, 0.1518, 0.0663



0.1710, 0.1578, 0.0879

Inverse Universe

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



31.5927, 0.3737, 0.3225



50.4620, 0.3927, 0.3211



50.1052, 0.3373, 0.4085



10.0913, 0.3276, 0.3271



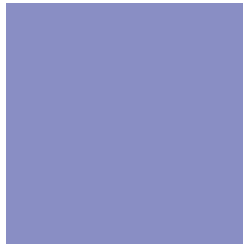
7.5711, 0.6295, 0.3241



0.3319, 0.5944, 0.3048

Previews

White Background



This preview shows how the Yxy color 28.6499, 0.2610, 0.2496 looks on a white background.

Color Contrast Check

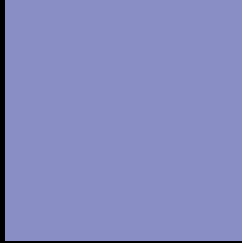
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.6499, 0.2610, 0.2496 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

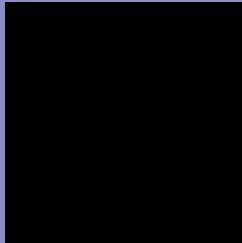
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.6499, 0.2610, 0.2496

Background



This preview shows how black text looks on a background with the Yxy color 28.6499, 0.2610, 0.2496.



This preview shows how white text looks on a background with the Yxy color 28.6499, 0.2610, 0.2496.

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

28.6499, 0.2610, 0.2496

Protanopia

28.7236, 0.2548, 0.2502

Deuteranopia

28.8376, 0.2572, 0.2518



Tritanopia

28.8139, 0.2835, 0.3095

Trichromacy



Original Color

28.6499, 0.2610, 0.2496

Protanomaly

28.6627, 0.2571, 0.2492

Deuteranomaly

28.6988, 0.2586, 0.2506

Tritanomaly

28.6003, 0.2751, 0.2851

Monochromacy



Original Color

28.6499, 0.2610, 0.2496

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

28.8071, 0.2920, 0.2978

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.6499, 0.2610, 0.2496 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, 142, 196)` looks like.

```
.text, #text, p{  
    color:rgb(137, 142, 196)  
}
```

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, 142, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 142, 196) }
```

Border

The CSS property to change the border of an element to Yxy 28.6499, 0.2610, 0.2496 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, 142, 196) }
```

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

```
.border{ border-color:rgb(137, 142, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 142, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 142, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 142, 196);  
box-shadow:4px 4px 4px 4px rgb(137, 142,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 28.6499, 0.2610, 0.2496 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 142, 196) }
```

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

```
.background{ background-color: rgb(137,  
142, 196) }
```

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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