

Converting Colors

$Y_{xy}(33.0303, 0.2606, 0.2511)$

Have a look what the booklet for
Yxy(33.0303, 0.2606, 0.2511)
contains.

Yxy(33.0303, 0.2606, 0.2511)	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(33.0303, 0.2606, 0.2511)

Conversions

Conversions Part 1

Format	Color
Hex	9198D0
RGB	145, 152, 208
RGB Percent	57%, 60%, 82%
CMY	0.4316, 0.4038, 0.1844
CMYK	0.30, 0.27, 0.00, 0.18
HSL	233°, 40%, 69%
HSV	233°, 30%, 82%
XYZ	34.2800, 33.0303, 64.2322
YIQ	156.2910, -22.1480, 15.9320

Conversions

Conversions Part 2

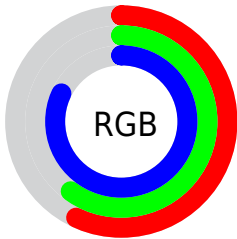
Format	Color
RYB	145, 151, 208
Decimal	9541840
CIELab	64.19, 10.28, -29.49
CIElCh	64, 31.227, 289.222
Yxy	33.0303, 0.2606, 0.2511
Android (android.graphics.Color)	4287731920 (0xFF9198D0)
YUV	156.2910, 25.4925, -9.9022
Hunter-Lab	57.4720, 5.8928, -26.0336

Details

The Yxy color **33.0303, 0.2606, 0.2511** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **57.1740, 0.3604, 0.3965**, and the grayscale version is **33.2702, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.6420, 0.2767, 0.2754**, and **13.9344, 0.2450, 0.2288** is the 20% darker color. If you saturate the color by 10%, you get **25.7787, 0.2406, 0.2201**, and if you desaturate by 10%, it is **41.5629, 0.2794, 0.2797**.

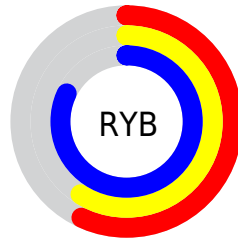
Distribution



Red (57%)

Green (60%)

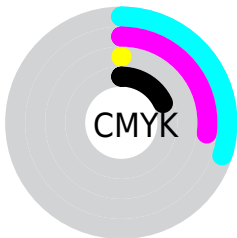
Blue (82%)



Red (57%)

Yellow (59%)

Blue (82%)

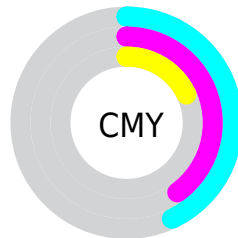


Cyan (30%)

Magenta (27%)

Yellow (0%)

Black (18%)



Cyan (43%)

Magenta (40%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.0303, 0.2606, 0.2511 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 33.0303, 0.2606, 0.2511 by changing the saturation by 10% instead.

■ 33.0303, 0.2606,
0.2511

■ 33.0303, 0.2606,
0.2511

■ 315.7862, 0.2879,
0.2905

■ 22.1497, 0.2535,
0.2412

■ 64.4228, 0.2708,
0.2655

■ 13.9669, 0.2442,
0.2286

■ 85.7035, 0.2745,
0.2708

■ 8.0977, 0.2316,
0.2120

■ 111.2197, 0.2777,
0.2754

■ 4.1575, 0.2138,
0.1892

■ 141.3557, 0.2803,
0.2793

■ 1.7621, 0.1872,
0.1567

■ 176.4959, 0.2826,
0.2827

■ 0.4634, 0.1449,
0.0971

■ 217.0249, 0.2846,

■ 0.0000, 0.0000,

0.2856

0.0000

263.3268, 0.2864,
0.2882

■ 33.0303, 0.2606,
0.2511

■ 33.0303, 0.2606,
0.2511

■ 25.7787, 0.2406,
0.2201

■ 41.5629, 0.2794,
0.2797

■ 19.7423, 0.2202,
0.1877

■ 51.4303, 0.2967,
0.3055

■ 14.8554, 0.2005,
0.1555

■ 62.6880, 0.3123,
0.3283

■ 11.0442, 0.1827,
0.1254

■ 75.3870, 0.3261,
0.3483

■ 8.2266, 0.1682,
0.0995

■ 89.5759, 0.3382,
0.3656

■ 6.3078, 0.1579,
0.0798

■ 97.3333, 0.3406,
0.3751

■ 5.1815, 0.1521,
0.0674

Harmonies

Analogous

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



33.0303, 0.2322, 0.2571



33.0303, 0.2606, 0.2511



33.0303, 0.3047, 0.2628

Triad

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



33.0303, 0.2606, 0.2511



33.0303, 0.4106, 0.3638



33.0303, 0.2688, 0.3737

Complementary

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



33.0303, 0.2606, 0.2511



57.1740, 0.3604, 0.3965

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.



33.0303, 0.3145, 0.4093



33.0303, 0.2606, 0.2511



33.0303, 0.3978, 0.3980

Square

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



33.0303, 0.2606, 0.2511



33.0303, 0.3947, 0.3248



33.0303, 0.3620, 0.4170



33.0303, 0.2363, 0.3249

Rectangle

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



33.0303, 0.2606, 0.2511



33.0303, 0.3382, 0.2790



33.0303, 0.3620, 0.4170



33.0303, 0.2830, 0.3881

Sweetspot

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



33.0316, 0.2606, 0.2511



83.5895, 0.2987, 0.3084



55.3172, 0.2737, 0.3386



17.3610, 0.2963, 0.3049



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.



33.0316, 0.2606, 0.2511



45.1154, 0.2485, 0.2324



33.2308, 0.2802, 0.2458



11.6286, 0.2982, 0.3077



3.3015, 0.1524, 0.0687



0.2583, 0.1589, 0.0919

Inverse Universe

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



35.9064, 0.3727, 0.3202



50.5628, 0.3902, 0.3184



57.3137, 0.3384, 0.4093



11.8295, 0.3273, 0.3264



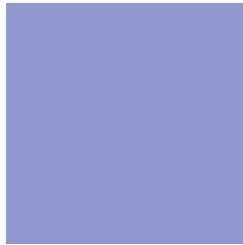
8.4046, 0.6254, 0.3219



0.4774, 0.5882, 0.3014

Previews

White Background



This preview shows how the Yxy color 33.0303, 0.2606, 0.2511 looks on a white background.

Color Contrast Check

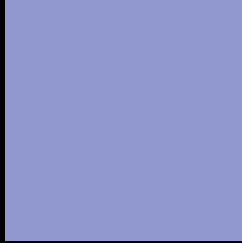
Large Text (above 18pt) WCAG AA × Fail

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 33.0303, 0.2606, 0.2511 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

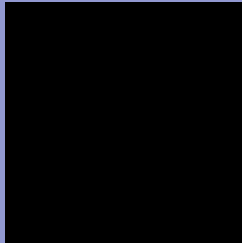
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.0303, 0.2606, 0.2511

Background



This preview shows how black text looks on a background with the Yxy color 33.0303, 0.2606, 0.2511.



This preview shows how white text looks on a background with the Yxy color 33.0303, 0.2606, 0.2511.

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

33.0303, 0.2606, 0.2511

Protanopia

32.9614, 0.2562, 0.2505

Deuteranopia

32.9993, 0.2577, 0.2519



Tritanopia

33.0932, 0.2817, 0.3090

Trichromacy



Original Color

33.0303, 0.2606, 0.2511

Protanomaly

33.1367, 0.2578, 0.2508

Deuteranomaly

33.0873, 0.2584, 0.2520

Tritanomaly

32.8552, 0.2738, 0.2860

Monochromacy



Original Color

33.0303, 0.2606, 0.2511

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

33.2132, 0.2923, 0.2995

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.0303, 0.2606, 0.2511 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(145, 152, 208)` looks like.

```
.text, #text, p{  
    color:rgb(145, 152, 208)  
}
```

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(145, 152, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 152, 208) }
```

Border

The CSS property to change the border of an element to Yxy 33.0303, 0.2606, 0.2511 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(145, 152, 208) }
```

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

```
.border{ border-color:rgb(145, 152, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 152, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 152, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 152, 208);  
box-shadow:4px 4px 4px 4px rgb(145, 152,  
208) }
```


Background

The CSS property to change the background color of an element to Yxy 33.0303, 0.2606, 0.2511 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 152, 208) }
```

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

```
.background{ background-color: rgb(145,  
152, 208) }
```

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