

Converting Colors

$Yxy(37.5505, 0.2707, 0.2771)$

Have a look what the booklet for
Yxy(37.5505, 0.2707, 0.2771)
contains.

Yxy(37.6586, 0.2707, 0.2778)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(37.6586, 0.2707, 0.2778)

Conversions

Conversions Part 1

Format	Color
Hex	96A5CA
RGB	150, 165, 202
RGB Percent	59%, 65%, 79%
CMY	0.4117, 0.3529, 0.2079
CMYK	0.26, 0.18, 0.00, 0.21
HSL	223°, 33%, 69%
HSV	223°, 26%, 79%
XYZ	36.6961, 37.6586, 61.2054
YIQ	164.7330, -20.8170, 8.3270

Conversions

Conversions Part 2

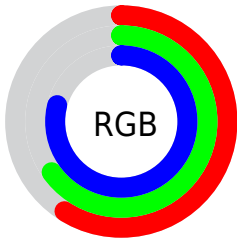
Format	Color
RYB	150, 162, 202
Decimal	9872842
CIELab	67.77, 3.01, -20.63
CIELCh	68, 20.850, 278.302
Yxy	37.6586, 0.2707, 0.2778
Android (android.graphics.Color)	4288062922 (0xFF96A5CA)
YUV	164.7330, 18.3726, -12.9208
Hunter-Lab	61.3666, -0.6518, -16.1776

Details

The Yxy color **37.6586, 0.2707, 0.2778** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **50.3080, 0.3555, 0.3754**, and the grayscale version is **37.4129, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.3855, 0.2809, 0.2914**, and **16.5450, 0.2578, 0.2619** is the 20% darker color. If you saturate the color by 10%, you get **31.0066, 0.2527, 0.2540**, and if you desaturate by 10%, it is **45.2273, 0.2879, 0.2995**.

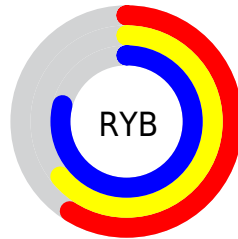
Distribution



Red (59%)

Green (65%)

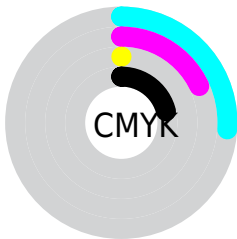
Blue (79%)



Red (59%)

Yellow (64%)

Blue (79%)

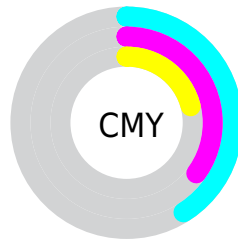


Cyan (26%)

Magenta (18%)

Yellow (0%)

Black (21%)



Cyan (41%)

Magenta (35%)

Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.6586, 0.2707, 0.2778 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 37.6586, 0.2707, 0.2778 by changing the saturation by 10% instead.

■ 37.6586, 0.2707,
0.2778

■ 37.6586, 0.2707,
0.2778

■ 336.1532, 0.2923,
0.3038

■ 25.7178, 0.2652,
0.2712

■ 71.5846, 0.2786,
0.2873

■ 16.6127, 0.2580,
0.2627

■ 94.3385, 0.2816,
0.2909

■ 9.9587, 0.2484,
0.2514

■ 121.4657, 0.2841,
0.2939

■ 5.3716, 0.2348,
0.2356

■ 153.3504, 0.2862,
0.2964

■ 2.4669, 0.2143,
0.2121

■ 190.3772, 0.2880,
0.2987

■ 0.8600, 0.1807,
0.1743

■ 232.9303, 0.2896,

■ 0.0000, 0.0000,

0.3006

0.0000

281.3941, 0.2910,
0.3023

■ 37.6586, 0.2707,
0.2778

■ 37.6586, 0.2707,
0.2778

■ 31.0066, 0.2527,
0.2540

■ 45.2273, 0.2879,
0.2995

■ 25.2305, 0.2342,
0.2284

■ 53.7421, 0.3040,
0.3189

■ 20.2932, 0.2161,
0.2015

■ 63.2368, 0.3189,
0.3361

■ 16.1527, 0.1991,
0.1744

■ 73.7421, 0.3325,
0.3512

■ 12.7634, 0.1841,
0.1482

■ 85.2873, 0.3448,
0.3644

■ 10.0738, 0.1719,
0.1242

■ 94.6926, 0.3449,
0.3776

■ 8.0244, 0.1631,
0.1037

■ 97.0438, 0.3442,
0.3810

■ 7.3090, 0.1600,
0.0960

Harmonies

Analogous

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



37.6586, 0.2561, 0.2874



37.6586, 0.2707, 0.2778



37.6586, 0.2968, 0.2810

Triad

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



37.6586, 0.2707, 0.2778



37.6586, 0.3734, 0.3439



37.6586, 0.2952, 0.3664

Complementary

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



37.6586, 0.2707, 0.2778



50.3080, 0.3555, 0.3754

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.



37.6586, 0.3263, 0.3830



37.6586, 0.2707, 0.2778



37.6586, 0.3724, 0.3677

Square

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



37.6586, 0.2707, 0.2778



37.6586, 0.3570, 0.3180



37.6586, 0.3548, 0.3828



37.6586, 0.2696, 0.3384

Rectangle

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



37.6586, 0.2707, 0.2778



37.6586, 0.3178, 0.2896



37.6586, 0.3548, 0.3828



37.6586, 0.3053, 0.3736

Sweetspot

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



37.6601, 0.2707, 0.2778



87.4154, 0.3003, 0.3145



52.2857, 0.2852, 0.3499



18.2300, 0.2979, 0.3116



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.



37.6601, 0.2707, 0.2778



57.1635, 0.2605, 0.2645



33.6028, 0.2777, 0.2581



11.3617, 0.2983, 0.3120



4.8374, 0.1606, 0.0983



0.3813, 0.1717, 0.1382

Inverse Universe

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



37.0937, 0.3514, 0.3099



56.4017, 0.3630, 0.3054



55.5937, 0.3425, 0.3945



11.2659, 0.3246, 0.3223



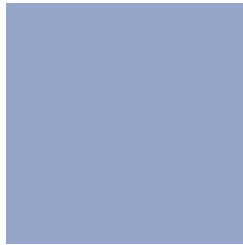
8.2913, 0.5785, 0.2960



0.4410, 0.5215, 0.2646

Previews

White Background



This preview shows how the Yxy color 37.6586, 0.2707, 0.2778 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 37.6586, 0.2707, 0.2778 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

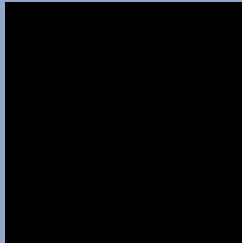
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.6586, 0.2707, 0.2778

Background



This preview shows how black text looks on a background with the Yxy color 37.6586, 0.2707, 0.2778.



This preview shows how white text looks on a background with the Yxy color 37.6586, 0.2707, 0.2778.

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

37.6586, 0.2707, 0.2778

Protanopia

37.4794, 0.2759, 0.2769

Deuteranopia

37.4829, 0.2792, 0.2724



Tritanopia

37.8643, 0.2824, 0.3101

Trichromacy



Original Color

37.6586, 0.2707, 0.2778

Protanomaly

37.6380, 0.2744, 0.2781

Deuteranomaly

37.4216, 0.2760, 0.2732

Tritanomaly

37.8824, 0.2780, 0.2990

Monochromacy



Original Color

37.6586, 0.2707, 0.2778

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

37.5982, 0.2973, 0.3106

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.6586, 0.2707, 0.2778 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(150, 165, 202)` looks like.

```
.text, #text, p{  
    color:rgb(150, 165, 202)  
}
```

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(150, 165, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 165, 202) }
```

Border

The CSS property to change the border of an element to Yxy 37.6586, 0.2707, 0.2778 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(150, 165, 202) }
```

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

```
.border{ border-color:rgb(150, 165, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 165, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 165, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 165, 202);  
box-shadow:4px 4px 4px 4px rgb(150, 165,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 37.6586, 0.2707, 0.2778 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 165, 202) }
```

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

```
.background{ background-color: rgb(150,  
165, 202) }
```

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