

Converting Colors

$Yxy(37.5130, 0.2573, 0.2663)$

Have a look what the booklet for
Yxy(37.5130, 0.2573, 0.2663)
contains.

Yxy(37.5510, 0.2573, 0.2668)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(37.5510, 0.2573, 0.2668)

Conversions

Conversions Part 1

Format	Color
Hex	8CA6D3
RGB	140, 166, 211
RGB Percent	55%, 65%, 83%
CMY	0.4509, 0.3490, 0.1725
CMYK	0.34, 0.21, 0.00, 0.17
HSL	218°, 45%, 69%
HSV	218°, 34%, 83%
XYZ	36.2139, 37.5510, 66.9810
YIQ	163.3560, -29.9410, 8.4830

Conversions

Conversions Part 2

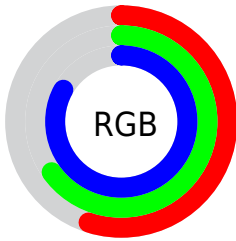
Format	Color
RYB	140, 159, 211
Decimal	9217747
CIELab	67.69, 1.75, -25.81
CIELCh	68, 25.865, 273.886
Yxy	37.5510, 0.2573, 0.2668
Android (android.graphics.Color)	4287407827 (0xFF8CA6D3)
YUV	163.3560, 23.4885, -20.4832
Hunter-Lab	61.2789, -1.7501, -21.9118

Details

The Yxy color **37.5510, 0.2573, 0.2668** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **50.4650, 0.3726, 0.3840**, and the grayscale version is **36.7031, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.5350, 0.2748, 0.2919**, and **16.4612, 0.2409, 0.2487** is the 20% darker color. If you saturate the color by 10%, you get **31.2764, 0.2397, 0.2443**, and if you desaturate by 10%, it is **44.6863, 0.2747, 0.2876**.

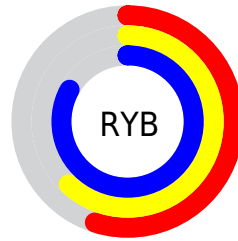
Distribution



Red (55%)

Green (65%)

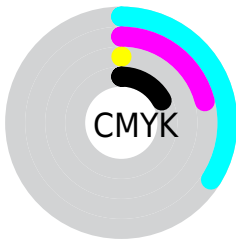
Blue (83%)



Red (55%)

Yellow (62%)

Blue (83%)

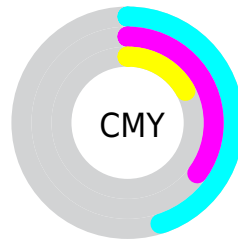


Cyan (34%)

Magenta (21%)

Yellow (0%)

Black (17%)



Cyan (45%)

Magenta (35%)

Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.5510, 0.2573, 0.2668 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 37.5510, 0.2573, 0.2668 by changing the saturation by 10% instead.

■ 37.5510, 0.2573,
0.2668

■ 37.5510, 0.2573,
0.2668

■ 335.6899, 0.2855,
0.2983

■ 25.6344, 0.2502,
0.2589

■ 71.4194, 0.2676,
0.2783

■ 16.5503, 0.2410,
0.2488

■ 94.1400, 0.2715,
0.2826

■ 9.9144, 0.2288,
0.2353

■ 121.2307, 0.2747,
0.2862

■ 5.3422, 0.2119,
0.2168

■ 153.0760, 0.2775,
0.2893

■ 2.4494, 0.1871,
0.1899

■ 190.0601, 0.2799,
0.2920

■ 0.8512, 0.1486,
0.1485

■ 232.5676, 0.2820,

■ 0.0000, 0.0000,

0.2944

0.0000

280.9827, 0.2839,
0.2965

■ 37.5510, 0.2573,
0.2668

■ 37.5510, 0.2573,
0.2668

■ 31.2764, 0.2397,
0.2443

■ 44.6863, 0.2747,
0.2876

■ 25.8227, 0.2224,
0.2205

■ 52.7114, 0.2914,
0.3064

■ 21.1529, 0.2060,
0.1960

■ 61.6590, 0.3072,
0.3233

■ 17.2250, 0.1914,
0.1716

■ 71.5589, 0.3220,
0.3383

■ 13.9922, 0.1792,
0.1483

■ 82.4395, 0.3356,
0.3515

■ 11.4005, 0.1699,
0.1271

■ 92.0536, 0.3401,
0.3639

■ 10.0391, 0.1653,
0.1150

■ 97.4842, 0.3387,
0.3720

Harmonies

Analogous

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



37.5510, 0.2420, 0.2803



37.5510, 0.2573, 0.2668



37.5510, 0.2874, 0.2688

Triad

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



37.5510, 0.2573, 0.2668



37.5510, 0.3866, 0.3419



37.5510, 0.2961, 0.3803

Complementary

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



37.5510, 0.2573, 0.2668



50.4650, 0.3726, 0.3840

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.



37.5510, 0.3347, 0.3980



37.5510, 0.2573, 0.2668



37.5510, 0.3884, 0.3722

Square

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



37.5510, 0.2573, 0.2668



37.5510, 0.3633, 0.3107



37.5510, 0.3688, 0.3938



37.5510, 0.2633, 0.3461

Rectangle

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



37.5510, 0.2573, 0.2668



37.5510, 0.3129, 0.2780



37.5510, 0.3688, 0.3938



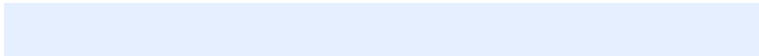
37.5510, 0.3088, 0.3886

Sweetspot

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



37.5525, 0.2573, 0.2668



85.5928, 0.2971, 0.3126



55.6791, 0.2803, 0.3641



17.9123, 0.2948, 0.3102



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.



37.5525, 0.2573, 0.2668



50.9547, 0.2453, 0.2517



29.9030, 0.2603, 0.2315



12.1157, 0.2982, 0.3138



6.2365, 0.1661, 0.1178



0.4982, 0.1765, 0.1552

Inverse Universe

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



35.3681, 0.3621, 0.2969



47.7739, 0.3765, 0.2903



60.9880, 0.3554, 0.4146



11.8787, 0.3234, 0.3205



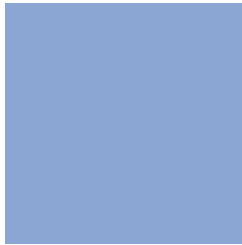
8.7008, 0.5498, 0.2803



0.5016, 0.4992, 0.2524

Previews

White Background



This preview shows how the Yxy color 37.5510, 0.2573, 0.2668 looks on a white background.

Color Contrast Check

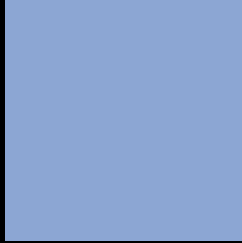
Large Text (above 18pt) WCAG AA × Fail

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 37.5510, 0.2573, 0.2668 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

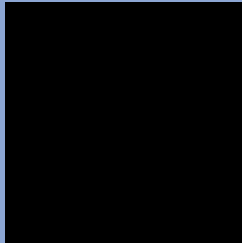
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

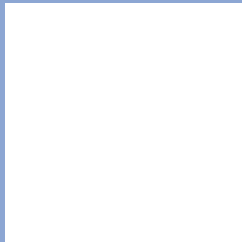
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 37.5510, 0.2573, 0.2668

Background



This preview shows how black text looks on a background with the Yxy color 37.5510, 0.2573, 0.2668.



This preview shows how white text looks on a background with the Yxy color 37.5510, 0.2573, 0.2668.

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

37.5510, 0.2573, 0.2668

Protanopia

37.5701, 0.2679, 0.2666

Deuteranopia

37.5627, 0.2672, 0.2619



Tritanopia

37.6548, 0.2718, 0.3097

Trichromacy



Original Color

37.5510, 0.2573, 0.2668

Protanomaly

37.5000, 0.2635, 0.2662

Deuteranomaly

37.4319, 0.2635, 0.2626

Tritanomaly

37.5052, 0.2661, 0.2929

Monochromacy



Original Color

37.5510, 0.2573, 0.2668

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

36.8148, 0.2912, 0.3061

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.5510, 0.2573, 0.2668 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(140, 166, 211)` looks like.

```
.text, #text, p{  
    color:rgb(140, 166, 211)  
}
```

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(140, 166, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 166, 211) }
```

Border

The CSS property to change the border of an element to Yxy 37.5510, 0.2573, 0.2668 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(140, 166, 211) }
```

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

```
.border{ border-color:rgb(140, 166, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 166, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 166, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 166, 211);  
box-shadow:4px 4px 4px 4px rgb(140, 166,  
211) }
```


Background

The CSS property to change the background color of an element to Yxy 37.5510, 0.2573, 0.2668 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 166, 211) }
```

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

```
.background{ background-color: rgb(140,  
166, 211) }
```

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