

Converting Colors

$Yxy(37.0682, 0.2483, 0.2764)$

Have a look what the booklet for
Yxy(37.0682, 0.2483, 0.2764)
contains.

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Color

Yxy(36.8971, 0.2481, 0.2756)

Conversions

Conversions Part 1

Format	Color
Hex	79A9CE
RGB	121, 169, 206
RGB Percent	47%, 66%, 81%
CMY	0.5254, 0.3373, 0.1921
CMYK	0.41, 0.18, 0.00, 0.19
HSL	206°, 46%, 64%
HSV	206°, 41%, 81%
XYZ	33.2154, 36.8971, 63.7666
YIQ	158.8660, -40.4850, 1.3310

Conversions

Conversions Part 2

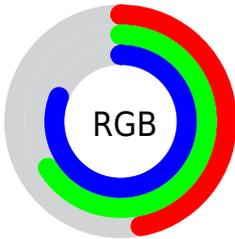
Format	Color
R _Y B	121, 152, 206
Decimal	7973326
CIE Lab	67.20, -6.43, -23.88
CIE LCh	67, 24.734, 254.920
Yxy	36.8971, 0.2481, 0.2756
Android (android.graphics.Color)	4286163406 (0xFF79A9CE)
YUV	158.8660, 23.2371, -33.2085
Hunter-Lab	60.7430, -8.6930, -19.7213

Details

The Yxy color **36.8971, 0.2481, 0.2756** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **38.9646, 0.3973, 0.3763**, and the grayscale version is **34.5145, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.7614, 0.2640, 0.2942**, and **16.1829, 0.2291, 0.2585** is the 20% darker color. If you saturate the color by 10%, you get **32.3416, 0.2331, 0.2598**, and if you desaturate by 10%, it is **42.0022, 0.2637, 0.2904**.

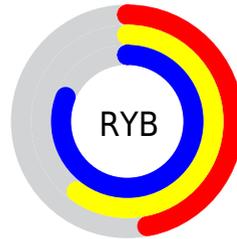
Distribution



Red (47%)

Green (66%)

Blue (81%)



Red (47%)

Yellow (60%)

Blue (81%)

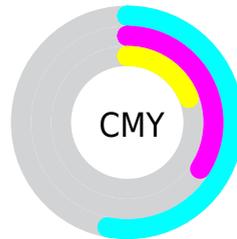


Cyan (41%)

Magenta (18%)

Yellow (0%)

Black (19%)



Cyan (53%)

Magenta (34%)

Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.8971, 0.2481, 0.2756 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 36.8971, 0.2481, 0.2756 by changing the saturation by 10% instead.

■ 36.8971, 0.2481,
0.2756

■ 36.8971, 0.2481,
0.2756

■ 332.8648, 0.2808,
0.3032

■ 25.1278, 0.2399,
0.2685

■ 70.4145, 0.2601,
0.2858

■ 16.1723, 0.2293,
0.2592

■ 92.9314, 0.2645,
0.2896

■ 9.6462, 0.2153,
0.2468

■ 119.7997, 0.2683,
0.2928

■ 5.1650, 0.1960,
0.2292

■ 151.4037, 0.2715,
0.2955

■ 2.3444, 0.1680,
0.2029

■ 188.1278, 0.2743,
0.2978

■ 0.7971, 0.1214,
0.1612

■ 230.3564, 0.2768,

■ 0.0000, 0.0000,

0.2999

0.0000

278.4739, 0.2789,
0.3017

■ 36.8971, 0.2481,
0.2756

■ 36.8971, 0.2481,
0.2756

■ 32.3416, 0.2331,
0.2598

■ 42.0022, 0.2637,
0.2904

■ 28.3066, 0.2193,
0.2433

■ 47.6756, 0.2796,
0.3040

■ 24.7658, 0.2070,
0.2264

■ 53.9404, 0.2954,
0.3165

■ 21.6885, 0.1967,
0.2094

■ 60.8166, 0.3108,
0.3277

■ 19.0384, 0.1885,
0.1928

■ 68.3235, 0.3257,
0.3377

■ 17.0184, 0.1830,
0.1788

■ 76.4791, 0.3399,
0.3465

■ 83.3107, 0.3459,
0.3550

■ 88.4841, 0.3443,
0.3637

■ 93.9188, 0.3427,
0.3722

Harmonies

Analogous

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



36.8971, 0.2438, 0.2981



36.8971, 0.2481, 0.2756



36.8971, 0.2686, 0.2680

Triad

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



36.8971, 0.2481, 0.2756



36.8971, 0.3716, 0.3222



36.8971, 0.3203, 0.3914

Complementary

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



36.8971, 0.2481, 0.2756



38.9646, 0.3973, 0.3763

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.



36.8971, 0.3559, 0.3951



36.8971, 0.2481, 0.2756



36.8971, 0.3869, 0.3528

Square

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



36.8971, 0.2481, 0.2756



36.8971, 0.3397, 0.2945



36.8971, 0.3808, 0.3798



36.8971, 0.2840, 0.3674

Rectangle

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



36.8971, 0.2481, 0.2756



36.8971, 0.2896, 0.2713



36.8971, 0.3808, 0.3798



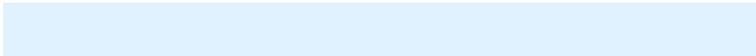
36.8971, 0.3327, 0.3950

Sweetspot

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



36.8985, 0.2481, 0.2756



86.4430, 0.2940, 0.3154



50.6747, 0.2845, 0.3992



18.2055, 0.2919, 0.3138



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.



36.8985, 0.2481, 0.2756



52.8407, 0.2341, 0.2609



23.6193, 0.2378, 0.2114



11.8774, 0.2983, 0.3187



10.6749, 0.1836, 0.1811



0.7000, 0.1925, 0.2128

Inverse Universe

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



29.6658, 0.3577, 0.2689



40.7143, 0.3726, 0.2560



55.9695, 0.3764, 0.4244



11.3180, 0.3203, 0.3160



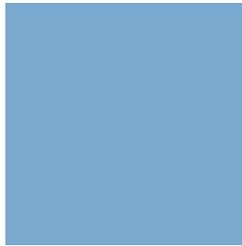
8.8806, 0.4672, 0.2348



0.4732, 0.4311, 0.2148

Previews

White Background



This preview shows how the Yxy color 36.8971, 0.2481, 0.2756 looks on a white background.

Color Contrast Check

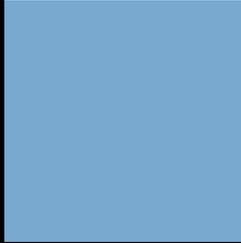
Large Text (above 18pt) WCAG AA × Fail

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 36.8971, 0.2481, 0.2756 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

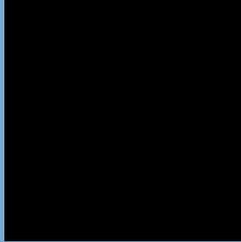
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

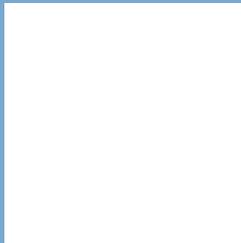
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 36.8971, 0.2481, 0.2756

Background



This preview shows how black text looks on a background with the Yxy color 36.8971, 0.2481, 0.2756.



This preview shows how white text looks on a background with the Yxy color 36.8971, 0.2481, 0.2756.

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

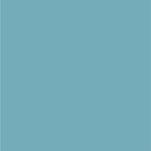
36.8971, 0.2481, 0.2756

Protanopia

36.5768, 0.2741, 0.2738

Deuteranopia

36.6642, 0.2698, 0.2639



Tritanopia

36.7632, 0.2579, 0.3076

Trichromacy



Original Color

36.8971, 0.2481, 0.2756

Protanomaly

36.6135, 0.2637, 0.2742

Deuteranomaly

36.5390, 0.2616, 0.2678

Tritanomaly

36.8276, 0.2545, 0.2961

Monochromacy



Original Color

36.8971, 0.2481, 0.2756

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

35.3487, 0.2857, 0.3097

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.8971, 0.2481, 0.2756 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(121, 169, 206)` looks like.

```
.text, #text, p{  
    color:rgb(121, 169, 206)  
}
```

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(121, 169, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 169, 206) }
```

Border

The CSS property to change the border of an element to Yxy 36.8971, 0.2481, 0.2756 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(121, 169, 206) }
```

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

```
.border{ border-color:rgb(121, 169, 206) }
```

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

Here you see how a box with a 4 pixel rgb(121, 169, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 169, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 169, 206);  
box-shadow:4px 4px 4px 4px rgb(121, 169,  
206) }
```

Background

The CSS property to change the background color of an element to Yxy 36.8971, 0.2481, 0.2756 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 169, 206) }
```

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

```
.background{ background-color: rgb(121,  
169, 206) }
```

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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