

Converting Colors

$Yxy(33.5755, 0.2491, 0.2677)$

Have a look what the booklet for
Yxy(33.5755, 0.2491, 0.2677)
contains.

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Color

Yxy(33.5435, 0.2491, 0.2673)

Conversions

Conversions Part 1

Format	Color
Hex	7AA0CA
RGB	122, 160, 202
RGB Percent	48%, 63%, 79%
CMY	0.5214, 0.3726, 0.2079
CMYK	0.40, 0.21, 0.00, 0.21
HSL	212°, 43%, 64%
HSV	212°, 40%, 79%
XYZ	31.2596, 33.5435, 60.6870
YIQ	153.4260, -36.1300, 5.0060

Conversions

Conversions Part 2

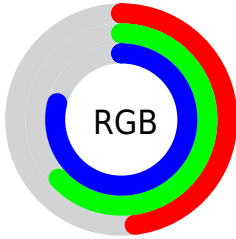
Format	Color
R_{YB}	122, 148, 202
Decimal	8036554
CIE _{Lab}	64.60, -2.28, -25.63
CIE _{LCh}	65, 25.730, 264.925
Yxy	33.5435, 0.2491, 0.2673
Android (android.graphics.Color)	4286226634 (0xFF7AA0CA)
YUV	153.4260, 23.9470, -27.5606
Hunter-Lab	57.9168, -5.0120, -21.5842

Details

The Yxy color **33.5435, 0.2491, 0.2673** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **40.5186, 0.3891, 0.3832**, and the grayscale version is **31.9600, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.1680, 0.2634, 0.2838**, and **14.3406, 0.2300, 0.2486** is the 20% darker color. If you saturate the color by 10%, you get **28.6976, 0.2329, 0.2482**, and if you desaturate by 10%, it is **39.0122, 0.2656, 0.2851**.

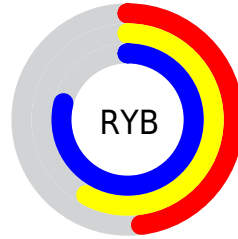
Distribution



Red (48%)

Green (63%)

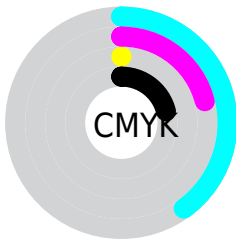
Blue (79%)



Red (48%)

Yellow (58%)

Blue (79%)

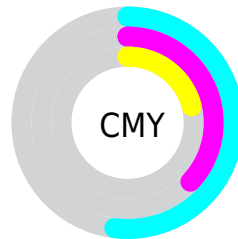


Cyan (40%)

Magenta (21%)

Yellow (0%)

Black (21%)



Cyan (52%)

Magenta (37%)

Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.5435, 0.2491, 0.2673 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 33.5435, 0.2491, 0.2673 by changing the saturation by 10% instead.

■ 33.5435, 0.2491,
0.2673

■ 33.5435, 0.2491,
0.2673

318.0917, 0.2819,
0.2993

■ 22.5431, 0.2407,
0.2590

■ 65.2231, 0.2612,
0.2792

■ 14.2565, 0.2298,
0.2482

■ 86.6712, 0.2657,
0.2836

■ 8.2993, 0.2152,
0.2337

■ 112.3706, 0.2695,
0.2873

■ 4.2871, 0.1949,
0.2132

142.7058, 0.2727,
0.2904

■ 1.8354, 0.1648,
0.1827

178.0611, 0.2755,
0.2931

■ 0.5091, 0.1058,
0.1257

218.8209, 0.2779,

■ 0.0000, 0.0000,

0.2955

0.0000

265.3696, 0.2800,
0.2975

■ 33.5435, 0.2491,
0.2673

■ 33.5435, 0.2491,
0.2673

■ 28.6976, 0.2329,
0.2482

■ 39.0122, 0.2656,
0.2851

■ 24.4437, 0.2176,
0.2282

■ 45.1249, 0.2820,
0.3015

■ 20.7537, 0.2037,
0.2077

■ 51.9063, 0.2980,
0.3163

■ 17.5951, 0.1918,
0.1874

■ 59.3784, 0.3134,
0.3295

■ 14.9302, 0.1822,
0.1677

■ 67.5623, 0.3279,
0.3413

■ 12.6989, 0.1749,
0.1492

■ 76.4780, 0.3415,
0.3517

■ 12.6104, 0.1746,
0.1484

■ 84.5107, 0.3481,
0.3615

■ 90.7411, 0.3461,
0.3716

■ 97.0430, 0.3442,
0.3811

Harmonies

Analogous

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



33.5435, 0.2386, 0.2860



33.5435, 0.2491, 0.2673



33.5435, 0.2760, 0.2648

Triad

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



33.5435, 0.2491, 0.2673



33.5435, 0.3840, 0.3324



33.5435, 0.3072, 0.3899

Complementary

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



33.5435, 0.2491, 0.2673



40.5186, 0.3891, 0.3832

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.



33.5435, 0.3469, 0.4014



33.5435, 0.2491, 0.2673



33.5435, 0.3928, 0.3647

Square

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



33.5435, 0.2491, 0.2673



33.5435, 0.3544, 0.3012



33.5435, 0.3786, 0.3906



33.5435, 0.2706, 0.3582

Rectangle

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



33.5435, 0.2491, 0.2673



33.5435, 0.3007, 0.2715



33.5435, 0.3786, 0.3906



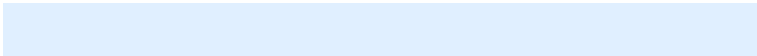
33.5435, 0.3206, 0.3963

Sweetspot

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



33.5448, 0.2491, 0.2673



84.8229, 0.2939, 0.3126



49.0263, 0.2814, 0.3854



17.8244, 0.2918, 0.3107



0.0000, 0.0000, 0.0000



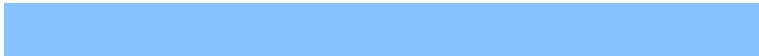
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



33.5448, 0.2491, 0.2673



50.1073, 0.2360, 0.2520



22.4328, 0.2413, 0.2094



11.7079, 0.2983, 0.3165



8.2928, 0.1752, 0.1508



0.5794, 0.1855, 0.1876

Inverse Universe

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



29.0216, 0.3637, 0.2803



42.4381, 0.3790, 0.2706



56.0028, 0.3703, 0.4265



11.3009, 0.3217, 0.3180



8.6402, 0.5048, 0.2555



0.4610, 0.4596, 0.2305

Previews

White Background



This preview shows how the Yxy color 33.5435, 0.2491, 0.2673 looks on a white background.

Color Contrast Check

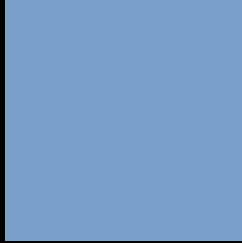
Large Text (above 18pt) WCAG AA × Fail

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 33.5435, 0.2491, 0.2673 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

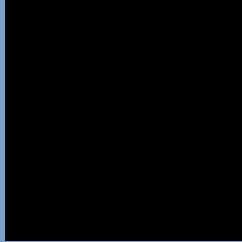
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

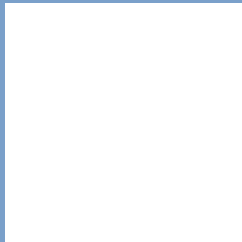
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 33.5435, 0.2491, 0.2673

Background



This preview shows how black text looks on a background with the Yxy color 33.5435, 0.2491, 0.2673.



This preview shows how white text looks on a background with the Yxy color 33.5435, 0.2491, 0.2673.

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

33.5435, 0.2491, 0.2673

Protanopia

33.5396, 0.2682, 0.2678

Deuteranopia

33.5340, 0.2653, 0.2602



Tritanopia

33.4783, 0.2614, 0.3069

Trichromacy



Original Color

33.5435, 0.2491, 0.2673

Protanomaly

33.5558, 0.2614, 0.2684

Deuteranomaly

33.4071, 0.2585, 0.2618

Tritanomaly

33.6338, 0.2566, 0.2922

Monochromacy



Original Color

33.5435, 0.2491, 0.2673

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

32.4680, 0.2866, 0.3061

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.5435, 0.2491, 0.2673 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(122, 160, 202)` looks like.

```
.text, #text, p{  
    color:rgb(122, 160, 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(122, 160, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 160, 202) }
```

Border

The CSS property to change the border of an element to Yxy 33.5435, 0.2491, 0.2673 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(122, 160, 202) }
```

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

```
.border{ border-color:rgb(122, 160, 202) }
```

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

Here you see how a box with a 4 pixel rgb(122, 160, 202) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 160, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 160, 202);  
box-shadow:4px 4px 4px 4px rgb(122, 160,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 33.5435, 0.2491, 0.2673 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 160, 202) }
```

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

```
.background{ background-color: rgb(122,  
160, 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](#).

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