

Converting Colors

$Yxy(33.6787, 0.2453, 0.2590)$

Have a look what the booklet for
Yxy(33.6787, 0.2453, 0.2590)
contains.

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Color

Yxy(33.8333, 0.2454, 0.2596)

Conversions

Conversions Part 1

Format	Color
Hex	7AA0D0
RGB	122, 160, 208
RGB Percent	48%, 63%, 82%
CMY	0.5215, 0.3725, 0.1844
CMYK	0.41, 0.23, 0.00, 0.18
HSL	213°, 48%, 65%
HSV	213°, 41%, 82%
XYZ	31.9826, 33.8333, 64.5126
YIQ	154.1100, -38.0560, 6.8720

Conversions

Conversions Part 2

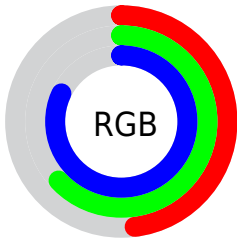
Format	Color
RYB	122, 148, 208
Decimal	8036560
CIELab	64.83, -0.63, -28.62
CIELCh	65, 28.625, 268.733
Yxy	33.8333, 0.2454, 0.2596
Android (android.graphics.Color)	4286226640 (0xFF7AA0D0)
YUV	154.1100, 26.5678, -28.1605
Hunter-Lab	58.1664, -3.6435, -25.0424

Details

The Yxy color **33.8333, 0.2454, 0.2596** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **43.5668, 0.3920, 0.3891**, and the grayscale version is **32.2614, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.1680, 0.2634, 0.2838**, and **14.4661, 0.2256, 0.2400** is the 20% darker color. If you saturate the color by 10%, you get **28.6357, 0.2289, 0.2390**, and if you desaturate by 10%, it is **39.7343, 0.2622, 0.2789**.

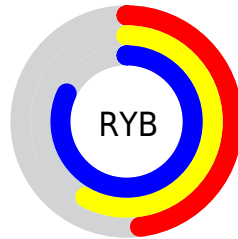
Distribution



Red (48%)

Green (63%)

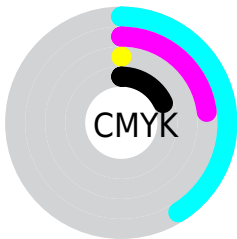
Blue (82%)



Red (48%)

Yellow (58%)

Blue (82%)

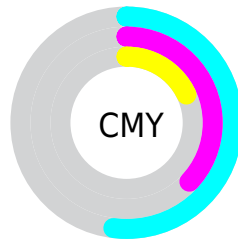


Cyan (41%)

Magenta (23%)

Yellow (0%)

Black (18%)



Cyan (52%)

Magenta (37%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.8333, 0.2454, 0.2596 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 33.8333, 0.2454, 0.2596 by changing the saturation by 10% instead.

■ 33.8333, 0.2454,
0.2596

■ 33.8333, 0.2454,
0.2596

■ 319.3881, 0.2800,
0.2953

■ 22.7656, 0.2366,
0.2505

■ 65.6744, 0.2581,
0.2728

■ 14.4205, 0.2253,
0.2387

■ 87.2165, 0.2629,
0.2776

■ 8.4137, 0.2101,
0.2230

■ 113.0188, 0.2668,
0.2818

■ 4.3608, 0.1892,
0.2012

■ 143.4658, 0.2702,
0.2853

■ 1.8774, 0.1588,
0.1695

■ 178.9418, 0.2732,
0.2883

■ 0.5347, 0.1052,
0.1141

■ 219.8313, 0.2757,

■ 0.0000, 0.0000,

0.2910

0.0000

266.5186, 0.2780,
0.2933

■ 33.8333, 0.2454,
0.2596

■ 33.8333, 0.2454,
0.2596

■ 28.6357, 0.2289,
0.2390

■ 39.7343, 0.2622,
0.2789

■ 24.1066, 0.2133,
0.2175

■ 46.3638, 0.2790,
0.2967

■ 20.2131, 0.1993,
0.1957

■ 53.7501, 0.2952,
0.3128

■ 16.9173, 0.1873,
0.1743

■ 61.9189, 0.3107,
0.3272

■ 14.1755, 0.1779,
0.1539

■ 70.8943, 0.3253,
0.3400

■ 12.1888, 0.1716,
0.1376

■ 80.6994, 0.3390,
0.3513

■ 88.8852, 0.3429,
0.3622

■ 95.9896, 0.3409,
0.3731

■ 97.3336, 0.3406,
0.3751

Harmonies

Analogous

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



33.8333, 0.2315, 0.2776



33.8333, 0.2454, 0.2596



33.8333, 0.2768, 0.2593

Triad

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



33.8333, 0.2454, 0.2596



33.8333, 0.3945, 0.3369



33.8333, 0.3007, 0.3936

Complementary

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



33.8333, 0.2454, 0.2596



43.5668, 0.3920, 0.3891

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.



33.8333, 0.3448, 0.4094



33.8333, 0.2454, 0.2596



33.8333, 0.4009, 0.3721

Square

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



33.8333, 0.2454, 0.2596



33.8333, 0.3641, 0.3023



33.8333, 0.3820, 0.3997



33.8333, 0.2616, 0.3560

Rectangle

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



33.8333, 0.2454, 0.2596



33.8333, 0.3049, 0.2680



33.8333, 0.3820, 0.3997



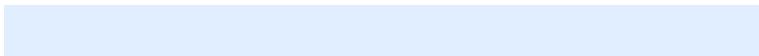
33.8333, 0.3155, 0.4018

Sweetspot

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



33.8346, 0.2454, 0.2596



84.2332, 0.2939, 0.3115



52.1221, 0.2785, 0.3842



17.6858, 0.2918, 0.3095



0.0000, 0.0000, 0.0000



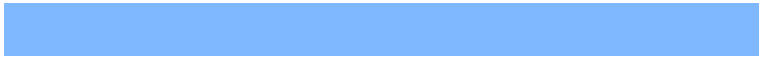
21.4041, 0.3127, 0.3290

Same Dimension

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



33.8346, 0.2454, 0.2596



45.9806, 0.2301, 0.2406



22.9372, 0.2397, 0.2037



12.2650, 0.2982, 0.3157



7.7834, 0.1723, 0.1401



0.5921, 0.1822, 0.1759

Inverse Universe

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



29.8704, 0.3704, 0.2814



40.0218, 0.3900, 0.2713



59.3067, 0.3704, 0.4317



11.8938, 0.3222, 0.3188



8.8570, 0.5189, 0.2632



0.5111, 0.4735, 0.2382

Previews

White Background



This preview shows how the Yxy color 33.8333, 0.2454, 0.2596 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 33.8333, 0.2454, 0.2596 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

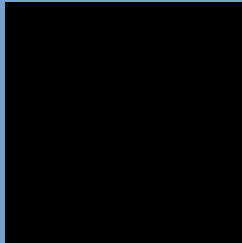
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

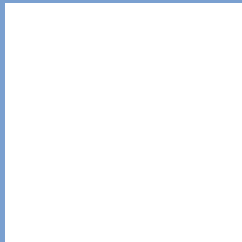
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 33.8333, 0.2454, 0.2596

Background



This preview shows how black text looks on a background with the Yxy color 33.8333, 0.2454, 0.2596.

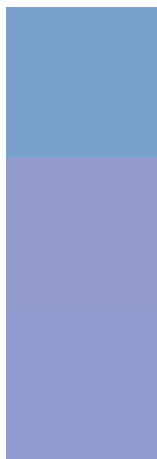


This preview shows how white text looks on a background with the Yxy color 33.8333, 0.2454, 0.2596.

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

33.8333, 0.2454, 0.2596

Protanopia

33.7316, 0.2631, 0.2601

Deuteranopia

33.5543, 0.2587, 0.2524



Tritanopia

33.7423, 0.2595, 0.3069

Trichromacy



Original Color

33.8333, 0.2454, 0.2596

Protanomaly

33.7560, 0.2566, 0.2606

Deuteranomaly

33.5313, 0.2530, 0.2541

Tritanomaly

33.6940, 0.2539, 0.2878

Monochromacy



Original Color

33.8333, 0.2454, 0.2596

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

32.5837, 0.2842, 0.3017

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.8333, 0.2454, 0.2596 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, 208)` looks like.

```
.text, #text, p{  
    color:rgb(122, 160, 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(122, 160, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 160, 208) }
```

Border

The CSS property to change the border of an element to Yxy 33.8333, 0.2454, 0.2596 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, 208) }
```

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

```
.border{ border-color:rgb(122, 160, 208) }
```

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, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(122, 160, 208); -webkit-box-shadow:4px 4px 4px 4px rgb(122, 160, 208); box-shadow:4px 4px 4px 4px rgb(122, 160, 208) }
```


Background

The CSS property to change the background color of an element to Yxy 33.8333, 0.2454, 0.2596 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, 208) }
```

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

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

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