

Converting Colors

$Yxy(33.5488, 0.2199, 0.2444)$

Have a look what the booklet for
Yxy(33.5488, 0.2199, 0.2444)
contains.

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Color

Yxy(33.4411, 0.2199, 0.2445)

Conversions

Conversions Part 1

Format	Color
Hex	57A3DD
RGB	87, 163, 221
RGB Percent	34%, 64%, 87%
CMY	0.6588, 0.3608, 0.1334
CMYK	0.61, 0.26, 0.00, 0.13
HSL	206°, 66%, 60%
HSV	206°, 61%, 87%
XYZ	30.0765, 33.4411, 73.2558
YIQ	146.8880, -63.9140, 1.9260

Conversions

Conversions Part 2

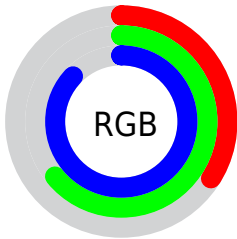
Format	Color
R_{YB}	87, 135, 221
Decimal	5743581
CIE Lab	64.52, -6.33, -36.43
CIE LCh	65, 36.974, 260.139
Yxy	33.4411, 0.2199, 0.2445
Android (android.graphics.Color)	4283933661 (0xFF57A3DD)
YUV	146.8880, 36.5372, -52.5218
Hunter-Lab	57.8283, -8.3617, -34.6277

Details

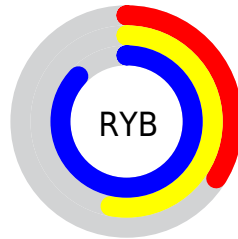
The Yxy color **33.4411, 0.2199, 0.2445** is a light color, and the websafe version is hex **6699CC**. The color can be described as light muted azure. A complement of this color would be **36.3022, 0.4538, 0.3955**, and the grayscale version is **28.9971, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.5659, 0.2477, 0.2854**, and **14.3415, 0.1944, 0.2200** is the 20% darker color. If you saturate the color by 10%, you get **29.2678, 0.2075, 0.2276**, and if you desaturate by 10%, it is **38.1990, 0.2338, 0.2610**.

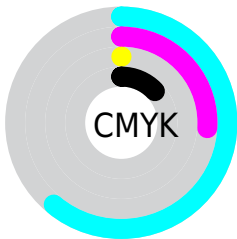
Distribution



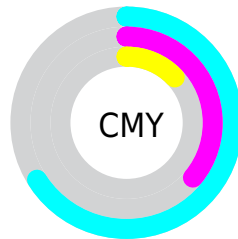
- Red (34%)
- Green (64%)
- Blue (87%)



- Red (34%)
- Yellow (53%)
- Blue (87%)



- Cyan (61%)
- Magenta (26%)
- Yellow (0%)
- Black (13%)



- Cyan (66%)
- Magenta (36%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.4411, 0.2199, 0.2445 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 33.4411, 0.2199, 0.2445 by changing the saturation by 10% instead.

■ 33.4411, 0.2199,
0.2445

■ 33.4411, 0.2199,
0.2445

■ 317.6327, 0.2667,
0.2880

■ 22.4646, 0.2084,
0.2335

■ 65.0636, 0.2369,
0.2605

■ 14.1987, 0.1938,
0.2195

■ 86.4783, 0.2433,
0.2664

■ 8.2590, 0.1748,
0.2010

■ 112.1413, 0.2487,
0.2715

■ 4.2611, 0.1496,
0.1759

■ 142.4368, 0.2533,
0.2757

■ 1.8207, 0.1155,
0.1409

■ 177.7493, 0.2574,
0.2794

■ 0.5000, 0.0547,
0.0853

■ 218.4632, 0.2609,

■ 0.0000, 0.0000,

0.2827

0.0000

264.9629, 0.2640,
0.2855

■ 33.4411, 0.2199,
0.2445

■ 33.4411, 0.2199,
0.2445

■ 29.2678, 0.2075,
0.2276

■ 38.1990, 0.2338,
0.2610

■ 25.6391, 0.1971,
0.2107

■ 43.5702, 0.2489,
0.2766

■ 22.5138, 0.1889,
0.1941

■ 49.5855, 0.2645,
0.2913

■ 19.9748, 0.1831,
0.1790

■ 56.2719, 0.2805,
0.3049

■ 63.6547, 0.2963,
0.3172

71.7578, 0.3118,
0.3284

80.6035, 0.3267,
0.3383

88.5069, 0.3348,
0.3474

94.2707, 0.3335,
0.3566

Harmonies

Analogous

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



33.4411, 0.2094, 0.2724



33.4411, 0.2199, 0.2445



33.4411, 0.2530, 0.2389

Triad

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



33.4411, 0.2199, 0.2445



33.4411, 0.4106, 0.3246



33.4411, 0.3122, 0.4243

Complementary

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



33.4411, 0.2199, 0.2445



36.3022, 0.4538, 0.3955

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.



33.4411, 0.3680, 0.4331



33.4411, 0.2199, 0.2445



33.4411, 0.4281, 0.3694

Square

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



33.4411, 0.2199, 0.2445



33.4411, 0.3636, 0.2835



33.4411, 0.4112, 0.4098



33.4411, 0.2593, 0.3805

Rectangle

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



33.4411, 0.2199, 0.2445



33.4411, 0.2858, 0.2464



33.4411, 0.4112, 0.4098



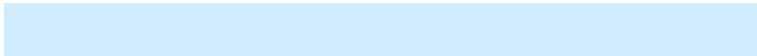
33.4411, 0.3313, 0.4315

Sweetspot

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



33.4423, 0.2199, 0.2445



80.2853, 0.2844, 0.3081



55.7032, 0.2772, 0.4447



16.5676, 0.2797, 0.3043



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.



33.4423, 0.2199, 0.2445



38.9246, 0.2042, 0.2226



16.0153, 0.1983, 0.1487



13.8369, 0.2982, 0.3186



11.8362, 0.1838, 0.1815



0.9369, 0.1911, 0.2078

Inverse Universe

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



24.8315, 0.3905, 0.2434



28.5712, 0.4160, 0.2328



62.0551, 0.4048, 0.4607



13.1747, 0.3204, 0.3158



9.8186, 0.4667, 0.2345



0.6533, 0.4365, 0.2178

Previews

White Background



This preview shows how the Yxy color 33.4411, 0.2199, 0.2445 looks on a white background.

Color Contrast Check

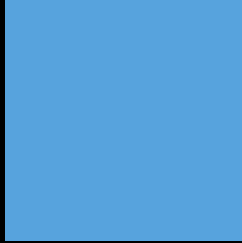
Large Text (above 18pt) WCAG AA × Fail

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 33.4411, 0.2199, 0.2445 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

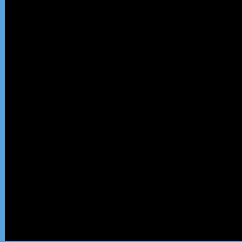
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

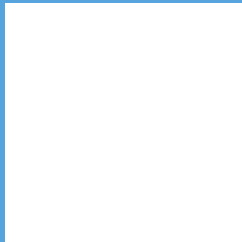
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 33.4411, 0.2199, 0.2445

Background



This preview shows how black text looks on a background with the Yxy color 33.4411, 0.2199, 0.2445.

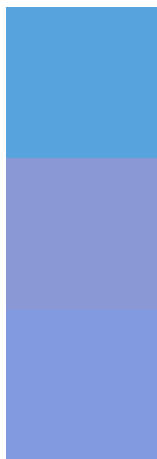


This preview shows how white text looks on a background with the Yxy color 33.4411, 0.2199, 0.2445.

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

33.4411, 0.2199, 0.2445

Protanopia

32.9898, 0.2521, 0.2455

Deuteranopia

33.1847, 0.2405, 0.2342



Tritanopia

33.5122, 0.2333, 0.3060

Trichromacy



Original Color

33.4411, 0.2199, 0.2445

Protanomaly

32.9937, 0.2380, 0.2449

Deuteranomaly

32.9653, 0.2317, 0.2373

Tritanomaly

33.2052, 0.2280, 0.2816

Monochromacy



Original Color

33.4411, 0.2199, 0.2445

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

30.1984, 0.2692, 0.2957

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.4411, 0.2199, 0.2445 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(87, 163, 221)` looks like.

```
.text, #text, p{  
  color:rgb(87, 163, 221)  
}
```

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(87, 163, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 163, 221) }
```

Border

The CSS property to change the border of an element to Yxy 33.4411, 0.2199, 0.2445 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(87, 163, 221) }
```

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

```
.border{ border-color:rgb(87, 163, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 163, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 163, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 163, 221);  
box-shadow:4px 4px 4px 4px rgb(87, 163,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 33.4411, 0.2199, 0.2445 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 163, 221) }
```

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

```
.background{ background-color: rgb(87, 163,  
221) }
```

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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