

Converting Colors

$Y_{xy}(34.3999, 0.2463, 0.2410)$

Have a look what the booklet for
Yxy(34.3999, 0.2463, 0.2410)
contains.

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Color

Yxy(34.5686, 0.2465, 0.2417)

Conversions

Conversions Part 1

Format	Color
Hex	889DDD
RGB	136, 157, 221
RGB Percent	53%, 62%, 87%
CMY	0.4667, 0.3843, 0.1335
CMYK	0.38, 0.29, 0.00, 0.13
HSL	225°, 56%, 70%
HSV	225°, 38%, 87%
XYZ	35.2551, 34.5686, 73.1990
YIQ	158.0170, -33.0600, 15.4520

Conversions

Conversions Part 2

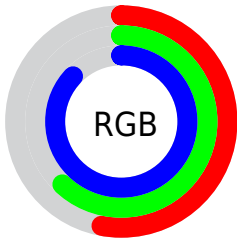
Format	Color
RYB	136, 153, 221
Decimal	8953309
CIELab	65.41, 8.34, -34.84
CIELCh	65, 35.824, 283.462
Yxy	34.5686, 0.2465, 0.2417
Android (android.graphics.Color)	4287143389 (0xFF889DDD)
YUV	158.0170, 31.0506, -19.3089
Hunter-Lab	58.7951, 4.1420, -32.6587

Details

The Yxy color **34.5686, 0.2465, 0.2417** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **58.4227, 0.3786, 0.4030**, and the grayscale version is **34.0668, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.0150, 0.2720, 0.2803**, and **14.8551, 0.2265, 0.2169** is the 20% darker color. If you saturate the color by 10%, you get **27.6574, 0.2275, 0.2140**, and if you desaturate by 10%, it is **42.6295, 0.2652, 0.2677**.

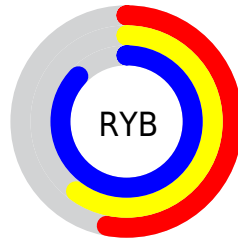
Distribution



Red (53%)

Green (62%)

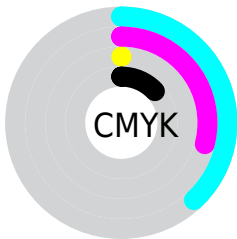
Blue (87%)



Red (53%)

Yellow (60%)

Blue (87%)

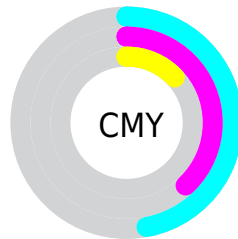


Cyan (38%)

Magenta (29%)

Yellow (0%)

Black (13%)



Cyan (47%)

Magenta (38%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 34.5686, 0.2465, 0.2417 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 34.5686, 0.2465, 0.2417 by changing the saturation by 10% instead.

■ 34.5686, 0.2465,
0.2417

■ 34.5686, 0.2465,
0.2417

■ 322.6600, 0.2805,
0.2854

■ 23.3308, 0.2379,
0.2310

■ 66.8169, 0.2590,
0.2575

■ 14.8379, 0.2268,
0.2174

■ 88.5962, 0.2637,
0.2634

■ 8.7057, 0.2121,
0.1998

■ 114.6580, 0.2676,
0.2685

■ 4.5497, 0.1920,
0.1761

■ 145.3869, 0.2709,
0.2728

■ 1.9856, 0.1632,
0.1435

■ 181.1671, 0.2738,
0.2766

■ 0.5991, 0.1208,
0.0936

■ 222.3831, 0.2763,

■ 0.0000, 0.0000,

0.2799

0.0000

269.4193, 0.2786,
0.2828

■ 34.5686, 0.2465,
0.2417

■ 34.5686, 0.2465,
0.2417

■ 27.6574, 0.2275,
0.2140

■ 42.6295, 0.2652,
0.2677

■ 21.8377, 0.2090,
0.1854

■ 51.8868, 0.2830,
0.2915

■ 17.0518, 0.1920,
0.1572

■ 62.3893, 0.2997,
0.3128

■ 13.2345, 0.1774,
0.1308

■ 74.1816, 0.3150,
0.3318

■ 10.3125, 0.1661,
0.1077

■ 87.3065, 0.3289,
0.3484

■ 8.1913, 0.1584,
0.0891

■ 97.9988, 0.3328,
0.3622

■ 7.9218, 0.1574,
0.0866

Harmonies

Analogous

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



34.5686, 0.2192, 0.2519



34.5686, 0.2465, 0.2417



34.5686, 0.2929, 0.2514

Triad

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



34.5686, 0.2465, 0.2417



34.5686, 0.4225, 0.3587



34.5686, 0.2719, 0.3897

Complementary

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



34.5686, 0.2465, 0.2417



58.4227, 0.3786, 0.4030

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.



34.5686, 0.3247, 0.4250



34.5686, 0.2465, 0.2417



34.5686, 0.4135, 0.3992

Square

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



34.5686, 0.2465, 0.2417



34.5686, 0.3985, 0.3156



34.5686, 0.3768, 0.4261



34.5686, 0.2324, 0.3345

Rectangle

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



34.5686, 0.2465, 0.2417



34.5686, 0.3303, 0.2673



34.5686, 0.3768, 0.4261



34.5686, 0.2887, 0.4048

Sweetspot

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



34.5699, 0.2465, 0.2417



80.8295, 0.2938, 0.3054



61.0865, 0.2708, 0.3566



16.8879, 0.2916, 0.3026



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.



34.5699, 0.2465, 0.2417



40.1368, 0.2315, 0.2199



30.0121, 0.2592, 0.2173



13.1381, 0.2981, 0.3109



4.7543, 0.1581, 0.0890



0.4442, 0.1668, 0.1205

Inverse Universe

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



35.4045, 0.3837, 0.3039



42.1311, 0.4062, 0.2990



65.7150, 0.3535, 0.4299



13.1041, 0.3253, 0.3232



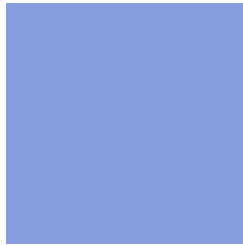
9.1037, 0.5927, 0.3039



0.6035, 0.5460, 0.2781

Previews

White Background



This preview shows how the Yxy color 34.5686, 0.2465, 0.2417 looks on a white background.

Color Contrast Check

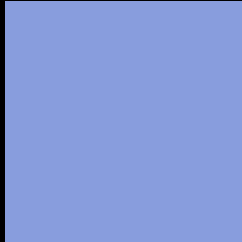
Large Text (above 18pt) WCAG AA × Fail

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 34.5686, 0.2465, 0.2417 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

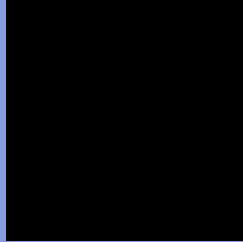
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.5686, 0.2465, 0.2417

Background



This preview shows how black text looks on a background with the Yxy color 34.5686, 0.2465, 0.2417.



This preview shows how white text looks on a background with the Yxy color 34.5686, 0.2465, 0.2417.

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

34.5686, 0.2465, 0.2417

Protanopia

34.4332, 0.2490, 0.2418

Deuteranopia

34.6528, 0.2472, 0.2418



Tritanopia

34.5602, 0.2690, 0.3090

Trichromacy



Original Color

34.5686, 0.2465, 0.2417

Protanomaly

34.3475, 0.2483, 0.2417

Deuteranomaly

34.6528, 0.2472, 0.2418

Tritanomaly

34.4815, 0.2604, 0.2818

Monochromacy



Original Color

34.5686, 0.2465, 0.2417

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

34.2739, 0.2857, 0.2955

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.5686, 0.2465, 0.2417 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(136, 157, 221)` looks like.

```
.text, #text, p{  
    color:rgb(136, 157, 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(136, 157, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 157, 221) }
```

Border

The CSS property to change the border of an element to Yxy 34.5686, 0.2465, 0.2417 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(136, 157, 221) }
```

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

```
.border{ border-color:rgb(136, 157, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 157, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 157, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 157, 221);  
box-shadow:4px 4px 4px 4px rgb(136, 157,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 34.5686, 0.2465, 0.2417 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 157, 221) }
```

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

```
.background{ background-color: rgb(136,  
157, 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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