

Converting Colors

$Y_{xy}(33.0200, 0.2309, 0.2420)$

Have a look what the booklet for
Yxy(33.0200, 0.2309, 0.2420)
contains.

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Color

Yxy(32.8832, 0.2311, 0.2417)

Conversions

Conversions Part 1

Format	Color
Hex	6E9EDB
RGB	110, 158, 219
RGB Percent	43%, 62%, 86%
CMY	0.5688, 0.3804, 0.1411
CMYK	0.50, 0.28, 0.00, 0.14
HSL	214°, 60%, 65%
HSV	214°, 50%, 86%
XYZ	31.4411, 32.8832, 71.7254
YIQ	150.6020, -48.1890, 8.7950

Conversions

Conversions Part 2

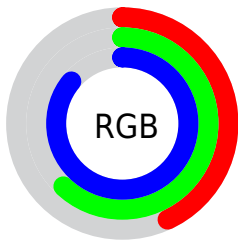
Format	Color
RYB	110, 143, 219
Decimal	7249627
CIELab	64.07, 0.69, -35.98
CIELCh	64, 35.982, 271.091
Yxy	32.8832, 0.2311, 0.2417
Android (android.graphics.Color)	4285439707 (0xFF6E9EDB)
YUV	150.6020, 33.7202, -35.6080
Hunter-Lab	57.3439, -2.4820, -34.0189

Details

The Yxy color **32.8832, 0.2311, 0.2417** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **45.3025, 0.4126, 0.4012**, and the grayscale version is **30.6342, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.5225, 0.2572, 0.2795**, and **13.8995, 0.2071, 0.2161** is the 20% darker color. If you saturate the color by 10%, you get **27.6756, 0.2153, 0.2202**, and if you desaturate by 10%, it is **38.8570, 0.2477, 0.2623**.

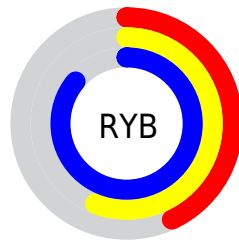
Distribution



Red (43%)

Green (62%)

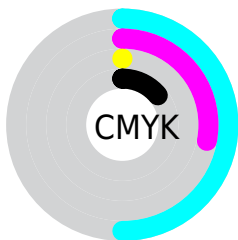
Blue (86%)



Red (43%)

Yellow (56%)

Blue (86%)

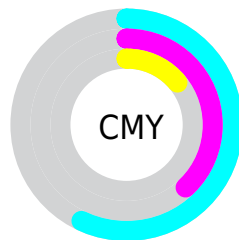


Cyan (50%)

Magenta (28%)

Yellow (0%)

Black (14%)



Cyan (57%)

Magenta (38%)

Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.8832, 0.2311, 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 32.8832, 0.2311, 0.2417 by changing the saturation by 10% instead.

■ 32.8832, 0.2311,
0.2417

■ 32.8832, 0.2311,
0.2417

315.1231, 0.2728,
0.2862

■ 22.0370, 0.2206,
0.2306

■ 64.1931, 0.2463,
0.2579

■ 13.8841, 0.2073,
0.2164

■ 85.4256, 0.2520,
0.2640

■ 8.0401, 0.1898,
0.1978

■ 110.8890, 0.2569,
0.2692

■ 4.1206, 0.1661,
0.1727

140.9677, 0.2610,
0.2736

■ 1.7413, 0.1330,
0.1378

176.0461, 0.2645,
0.2774

■ 0.4502, 0.0783,
0.0793

216.5085, 0.2676,

■ 0.0000, 0.0000,

0.2807

0.0000

262.7394, 0.2704,
0.2836

■ 32.8832, 0.2311,
0.2417

■ 32.8832, 0.2311,
0.2417

■ 27.6756, 0.2153,
0.2202

■ 38.8570, 0.2477,
0.2623

■ 23.1926, 0.2009,
0.1983

■ 45.6286, 0.2646,
0.2815

■ 19.3927, 0.1886,
0.1766

■ 53.2316, 0.2814,
0.2991

■ 16.2274, 0.1788,
0.1560

■ 61.6966, 0.2976,
0.3150

■ 13.6214, 0.1714,
0.1370

■ 71.0524, 0.3130,
0.3293

■ 13.5736, 0.1713,
0.1366

■ 81.3263, 0.3275,
0.3419

■ 90.9423, 0.3355,
0.3535

■ 97.8959, 0.3339,
0.3641

Harmonies

Analogous

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



32.8832, 0.2124, 0.2610



32.8832, 0.2311, 0.2417



32.8832, 0.2710, 0.2436

Triad

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



32.8832, 0.2311, 0.2417



32.8832, 0.4187, 0.3408



32.8832, 0.2923, 0.4098

Complementary

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



32.8832, 0.2311, 0.2417



45.3025, 0.4126, 0.4012

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.



32.8832, 0.3477, 0.4319



32.8832, 0.2311, 0.2417



32.8832, 0.4233, 0.3843

Square

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



32.8832, 0.2311, 0.2417



32.8832, 0.3817, 0.2983



32.8832, 0.3962, 0.4193



32.8832, 0.2450, 0.3586

Rectangle

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



32.8832, 0.2311, 0.2417



32.8832, 0.3066, 0.2553



32.8832, 0.3962, 0.4193



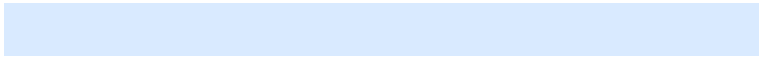
32.8832, 0.3106, 0.4212

Sweetspot

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



32.8844, 0.2311, 0.2417



80.5532, 0.2890, 0.3067



56.8887, 0.2731, 0.3983



16.7059, 0.2856, 0.3033



0.0000, 0.0000, 0.0000



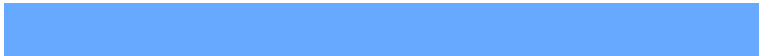
21.4041, 0.3127, 0.3290

Same Dimension

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



32.8844, 0.2311, 0.2417



38.5740, 0.2142, 0.2186



19.9293, 0.2217, 0.1734



13.5566, 0.2982, 0.3156



8.2567, 0.1721, 0.1394



0.7047, 0.1808, 0.1710

Inverse Universe

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



28.6742, 0.3888, 0.2721



33.6428, 0.4147, 0.2623



66.0334, 0.3810, 0.4512



13.1464, 0.3223, 0.3187



9.4573, 0.5199, 0.2638



0.6298, 0.4794, 0.2415

Previews

White Background



This preview shows how the Yxy color 32.8832, 0.2311, 0.2417 looks on a white background.

Color Contrast Check

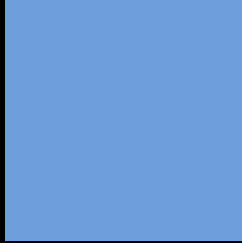
Large Text (above 18pt) WCAG AA × Fail

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 32.8832, 0.2311, 0.2417 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

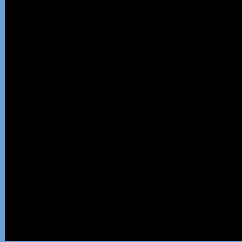
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

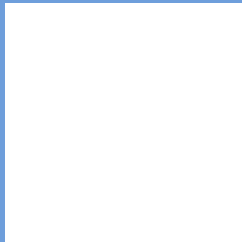
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 32.8832, 0.2311, 0.2417

Background



This preview shows how black text looks on a background with the Yxy color 32.8832, 0.2311, 0.2417.

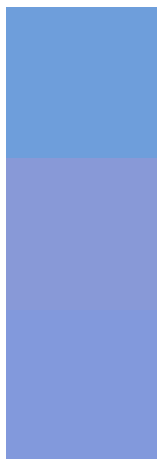


This preview shows how white text looks on a background with the Yxy color 32.8832, 0.2311, 0.2417.

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

32.8832, 0.2311, 0.2417

Protanopia

32.9230, 0.2493, 0.2428

Deuteranopia

32.6956, 0.2420, 0.2361



Tritanopia

33.0685, 0.2486, 0.3079

Trichromacy



Original Color

32.8832, 0.2311, 0.2417

Protanomaly

32.9126, 0.2428, 0.2431

Deuteranomaly

32.8210, 0.2378, 0.2379

Tritanomaly

32.9142, 0.2417, 0.2810

Monochromacy



Original Color

32.8832, 0.2311, 0.2417

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

31.4800, 0.2771, 0.2953

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.8832, 0.2311, 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(110, 158, 219)` looks like.

```
.text, #text, p{  
    color:rgb(110, 158, 219)  
}
```

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(110, 158, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 158, 219) }
```

Border

The CSS property to change the border of an element to Yxy 32.8832, 0.2311, 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(110, 158, 219) }
```

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

```
.border{ border-color:rgb(110, 158, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 158, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 158, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 158, 219);  
box-shadow:4px 4px 4px 4px rgb(110, 158,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 32.8832, 0.2311, 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(110, 158, 219) }
```

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

```
.background{ background-color: rgb(110,  
158, 219) }
```

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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