

Converting Colors

$Y_{xy}(33.2914, 0.2275, 0.2331)$

Have a look what the booklet for
Yxy(33.2914, 0.2275, 0.2331)
contains.

Yxy(33.3148, 0.2271, 0.2326)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(33.3148, 0.2271, 0.2326)

Conversions

Conversions Part 1

Format	Color
Hex	6E9EE3
RGB	110, 158, 227
RGB Percent	43%, 62%, 89%
CMY	0.5684, 0.3804, 0.1098
CMYK	0.52, 0.30, 0.00, 0.11
HSL	215°, 68%, 66%
HSV	215°, 52%, 89%
XYZ	32.5270, 33.3148, 77.3860
YIQ	151.5140, -50.7570, 11.2830

Conversions

Conversions Part 2

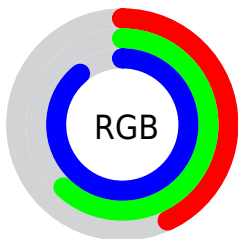
Format	Color
R _Y B	110, 144, 227
Decimal	7249635
CIE Lab	64.41, 3.12, -39.84
CIE LCh	64, 39.959, 274.476
Yxy	33.3148, 0.2271, 0.2326
Android (android.graphics.Color)	4285439715 (0xFF6E9EE3)
YUV	151.5140, 37.2146, -36.4078
Hunter-Lab	57.7190, -0.4160, -39.0891

Details

The Yxy color **33.3148, 0.2271, 0.2326** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **49.7236, 0.4148, 0.4074**, and the grayscale version is **31.0386, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.5225, 0.2572, 0.2795**, and **14.1086, 0.2025, 0.2060** is the 20% darker color. If you saturate the color by 10%, you get **27.7176, 0.2111, 0.2097**, and if you desaturate by 10%, it is **39.7855, 0.2441, 0.2546**.

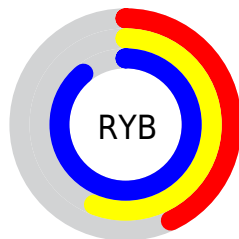
Distribution



Red (43%)

Green (62%)

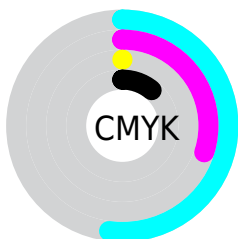
Blue (89%)



Red (43%)

Yellow (56%)

Blue (89%)

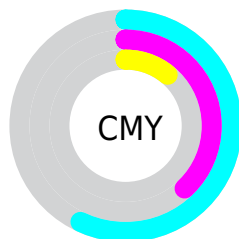


Cyan (52%)

Magenta (30%)

Yellow (0%)

Black (11%)



Cyan (57%)

Magenta (38%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.3148, 0.2271, 0.2326 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 33.3148, 0.2271, 0.2326 by changing the saturation by 10% instead.

■ 33.3148, 0.2271,
0.2326

■ 33.3148, 0.2271,
0.2326

■ 317.0659, 0.2706,
0.2811

■ 22.3677, 0.2163,
0.2207

■ 64.8667, 0.2429,
0.2501

■ 14.1273, 0.2026,
0.2057

■ 86.2403, 0.2489,
0.2568

■ 8.2093, 0.1848,
0.1863

■ 111.8582, 0.2539,
0.2624

■ 4.2292, 0.1609,
0.1605

■ 142.1048, 0.2582,
0.2672

■ 1.8026, 0.1282,
0.1257

■ 177.3644, 0.2619,
0.2714

■ 0.4888, 0.0798,
0.0721

■ 218.0216, 0.2652,

■ 0.0000, 0.0000,

0.2750

0.0000

264.4606, 0.2681,
0.2783

■ 33.3148, 0.2271,
0.2326

■ 33.3148, 0.2271,
0.2326

■ 27.7176, 0.2111,
0.2097

■ 39.7855, 0.2441,
0.2546

■ 22.9452, 0.1966,
0.1866

■ 47.1672, 0.2613,
0.2753

■ 18.9489, 0.1843,
0.1642

■ 55.4993, 0.2783,
0.2943


■ 15.6708, 0.1747,
0.1431

■ 64.8177, 0.2948,
0.3114

■ 13.3826, 0.1686,
0.1269

■ 75.1560, 0.3104,
0.3268

 86.5463, 0.3251,
0.3405

 96.2749, 0.3295,
0.3531

 98.3259, 0.3292,
0.3562

Harmonies

Analogous

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



33.3148, 0.2042, 0.2504



33.3148, 0.2271, 0.2326



33.3148, 0.2727, 0.2374

Triad

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



33.3148, 0.2271, 0.2326



33.3148, 0.4324, 0.3465



33.3148, 0.2831, 0.4141

Complementary

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



33.3148, 0.2271, 0.2326



49.7236, 0.4148, 0.4074

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.



33.3148, 0.3437, 0.4427



33.3148, 0.2271, 0.2326



33.3148, 0.4327, 0.3936

Square

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



33.3148, 0.2271, 0.2326



33.3148, 0.3951, 0.2999



33.3148, 0.3989, 0.4312



33.3148, 0.2334, 0.3542

Rectangle

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



33.3148, 0.2271, 0.2326



33.3148, 0.3128, 0.2515



33.3148, 0.3989, 0.4312



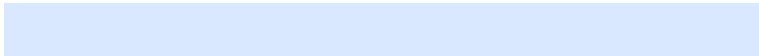
33.3148, 0.3028, 0.4282

Sweetspot

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



33.3160, 0.2271, 0.2326



79.8883, 0.2890, 0.3055



61.4806, 0.2701, 0.3957



16.5464, 0.2855, 0.3019



0.0000, 0.0000, 0.0000



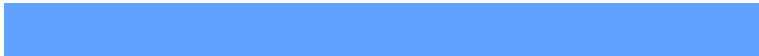
21.4041, 0.3127, 0.3290

Same Dimension

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



33.3160, 0.2271, 0.2326



35.4928, 0.2097, 0.2077



20.6900, 0.2207, 0.1681



14.8525, 0.2981, 0.3148



8.0216, 0.1694, 0.1296



0.7719, 0.1774, 0.1585

Inverse Universe

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



29.9637, 0.3976, 0.2743



32.3891, 0.4264, 0.2656



70.8538, 0.3801, 0.4566



14.4655, 0.3228, 0.3194



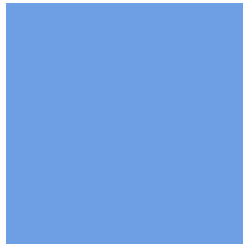
10.0075, 0.5332, 0.2711



0.7576, 0.4951, 0.2501

Previews

White Background



This preview shows how the Yxy color 33.3148, 0.2271, 0.2326 looks on a white background.

Color Contrast Check

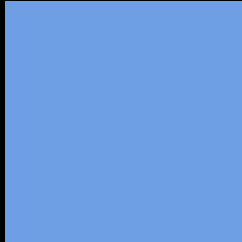
Large Text (above 18pt) WCAG AA × Fail

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 33.3148, 0.2271, 0.2326 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

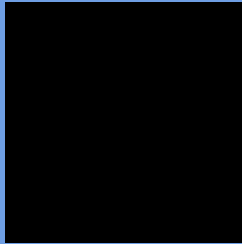
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

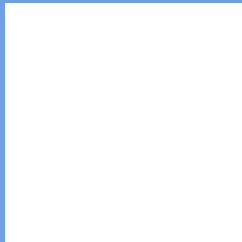
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 33.3148, 0.2271, 0.2326

Background



This preview shows how black text looks on a background with the Yxy color 33.3148, 0.2271, 0.2326.

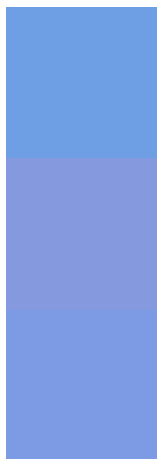


This preview shows how white text looks on a background with the Yxy color 33.3148, 0.2271, 0.2326.

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

33.3148, 0.2271, 0.2326

Protanopia

33.0967, 0.2424, 0.2333

Deuteranopia

33.0726, 0.2345, 0.2280



Tritanopia

33.3124, 0.2465, 0.3079

Trichromacy



Original Color

33.3148, 0.2271, 0.2326

Protanomaly

33.1845, 0.2369, 0.2337

Deuteranomaly

33.0372, 0.2316, 0.2286

Tritanomaly

33.2915, 0.2391, 0.2783

Monochromacy



Original Color

33.3148, 0.2271, 0.2326

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

31.6842, 0.2756, 0.2910

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.3148, 0.2271, 0.2326 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, 227)` looks like.

```
.text, #text, p{  
    color:rgb(110, 158, 227)  
}
```

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, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 158, 227) }
```

Border

The CSS property to change the border of an element to Yxy 33.3148, 0.2271, 0.2326 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, 227) }
```

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

```
.border{ border-color:rgb(110, 158, 227) }
```

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, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(110, 158, 227); -webkit-box-shadow:4px 4px 4px 4px rgb(110, 158, 227); box-shadow:4px 4px 4px 4px rgb(110, 158, 227) }
```


Background

The CSS property to change the background color of an element to Yxy 33.3148, 0.2271, 0.2326 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, 227) }
```

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

```
.background{ background-color: rgb(110,  
158, 227) }
```

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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