

Converting Colors

$Yxy(30.6333, 0.2112, 0.2170)$

Have a look what the booklet for
Yxy(30.6333, 0.2112, 0.2170)
contains.

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Color

Yxy(30.5871, 0.2112, 0.2168)

Conversions

Conversions Part 1

Format	Color
Hex	5699E8
RGB	86, 153, 232
RGB Percent	34%, 60%, 91%
CMY	0.6628, 0.4000, 0.0901
CMYK	0.63, 0.34, 0.00, 0.09
HSL	212°, 76%, 62%
HSV	212°, 63%, 91%
XYZ	29.7970, 30.5871, 80.7003
YIQ	141.9730, -65.2910, 10.3650

Conversions

Conversions Part 2

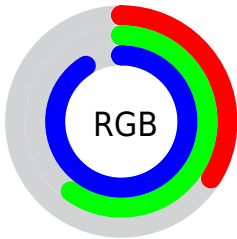
Format	Color
R _Y B	86, 132, 232
Decimal	5675496
CIE Lab	62.16, 2.78, -46.24
CIE LCh	62, 46.325, 273.437
Yxy	30.5871, 0.2112, 0.2168
Android (android.graphics.Color)	4283865576 (0xFF5699E8)
YUV	141.9730, 44.3833, -49.0883
Hunter-Lab	55.3056, -0.6143, -47.8003

Details

The Yxy color **30.5871, 0.2112, 0.2168** is a light color, and the websafe version is hex **3399FF**. The color can be described as light muted azure. A complement of this color would be **44.7530, 0.4481, 0.4141**, and the grayscale version is **26.8799, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.0487, 0.2454, 0.2719**, and **12.6373, 0.1849, 0.1856** is the 20% darker color. If you saturate the color by 10%, you get **25.7633, 0.1977, 0.1955**, and if you desaturate by 10%, it is **36.2029, 0.2264, 0.2379**.

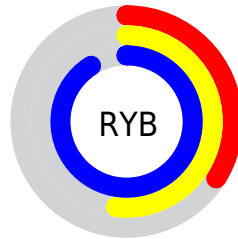
Distribution



Red (34%)

Green (60%)

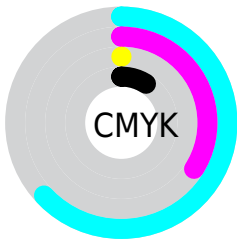
Blue (91%)



Red (34%)

Yellow (52%)

Blue (91%)

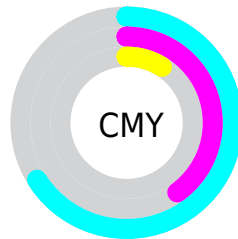


Cyan (63%)

Magenta (34%)

Yellow (0%)

Black (9%)



Cyan (66%)

Magenta (40%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.5871, 0.2112, 0.2168 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 30.5871, 0.2112, 0.2168 by changing the saturation by 10% instead.

■ 30.5871, 0.2112,
0.2168

■ 30.5871, 0.2112,
0.2168

■ 304.6316, 0.2628,
0.2733

■ 20.2846, 0.1986,
0.2031

■ 60.5894, 0.2299,
0.2372

■ 12.6021, 0.1826,
0.1859

■ 81.0581, 0.2369,
0.2449

■ 7.1551, 0.1622,
0.1640

■ 105.6842, 0.2429,
0.2514

■ 3.5593, 0.1355,
0.1356

■ 134.8523, 0.2480,
0.2570

■ 1.4302, 0.1005,
0.0988

■ 168.9467, 0.2525,
0.2619

■ 0.2389, 0.0428,
0.0347

■ 208.3517, 0.2563,

■ 0.0000, 0.0000,

0.2662

0.0000

253.4519, 0.2597,
0.2700

■ 30.5871, 0.2112,
0.2168

■ 30.5871, 0.2112,
0.2168

■ 25.7633, 0.1977,
0.1955

■ 36.2029, 0.2264,
0.2379

■ 21.6790, 0.1863,
0.1746

■ 42.6516, 0.2426,
0.2581

■ 18.2778, 0.1776,
0.1549

■ 49.9743, 0.2594,
0.2772

■ 16.2311, 0.1727,
0.1418

■ 58.2080, 0.2761,
0.2948

■ 67.3873, 0.2925,
0.3108

■ 77.5448, 0.3082,
0.3251

■ 88.7113, 0.3232,
0.3378

■ 97.6268, 0.3263,
0.3498

■ 98.6080, 0.3262,
0.3512

Harmonies

Analogous

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



30.5871, 0.1862, 0.2370



30.5871, 0.2112, 0.2168



30.5871, 0.2627, 0.2220

Triad

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



30.5871, 0.2112, 0.2168



30.5871, 0.4546, 0.3452



30.5871, 0.2786, 0.4346

Complementary

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



30.5871, 0.2112, 0.2168



44.7530, 0.4481, 0.4141

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.



30.5871, 0.3498, 0.4661



30.5871, 0.2112, 0.2168



30.5871, 0.4550, 0.4003

Square

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



30.5871, 0.2112, 0.2168



30.5871, 0.4087, 0.2923



30.5871, 0.4147, 0.4473



30.5871, 0.2205, 0.3613

Rectangle

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



30.5871, 0.2112, 0.2168



30.5871, 0.3095, 0.2378



30.5871, 0.4147, 0.4473



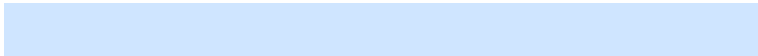
30.5871, 0.3018, 0.4511

Sweetspot

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



30.5881, 0.2112, 0.2168



76.3374, 0.2825, 0.3011



62.3852, 0.2683, 0.4249



15.6586, 0.2777, 0.2964



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.



30.5881, 0.2112, 0.2168



30.0690, 0.1935, 0.1882



14.6998, 0.1931, 0.1279



14.9713, 0.2981, 0.3159



9.2538, 0.1736, 0.1447



0.8678, 0.1813, 0.1725

Inverse Universe

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



26.1156, 0.4177, 0.2575



26.8247, 0.4536, 0.2512



74.7604, 0.3967, 0.4762



14.4774, 0.3221, 0.3183



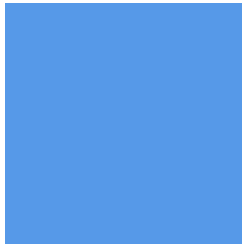
10.1319, 0.5128, 0.2599



0.7673, 0.4776, 0.2405

Previews

White Background



This preview shows how the Yxy color 30.5871, 0.2112, 0.2168 looks on a white background.

Color Contrast Check

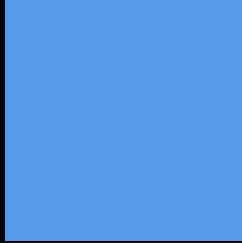
Large Text (above 18pt) WCAG AA × Fail

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 30.5871, 0.2112, 0.2168 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

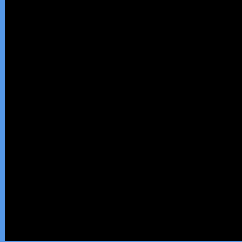
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

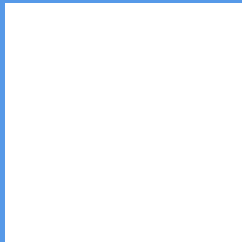
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 30.5871, 0.2112, 0.2168

Background



This preview shows how black text looks on a background with the Yxy color 30.5871, 0.2112, 0.2168.



This preview shows how white text looks on a background with the Yxy color 30.5871, 0.2112, 0.2168.

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

30.5871, 0.2112, 0.2168

Protanopia

30.4784, 0.2307, 0.2184

Deuteranopia

30.4423, 0.2193, 0.2127



Tritanopia

30.6248, 0.2298, 0.3066

Trichromacy



Original Color

30.5871, 0.2112, 0.2168

Protanomaly

30.3402, 0.2223, 0.2171

Deuteranomaly

30.3485, 0.2160, 0.2131

Tritanomaly

30.4018, 0.2219, 0.2695

Monochromacy



Original Color

30.5871, 0.2112, 0.2168

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

27.7905, 0.2647, 0.2825

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.5871, 0.2112, 0.2168 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(86, 153, 232)` looks like.

```
.text, #text, p{  
  color:rgb(86, 153, 232)  
}
```

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(86, 153, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 153, 232) }
```

Border

The CSS property to change the border of an element to Yxy 30.5871, 0.2112, 0.2168 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(86, 153, 232) }
```

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

```
.border{ border-color:rgb(86, 153, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 153, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 153, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 153, 232);  
box-shadow:4px 4px 4px 4px rgb(86, 153,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 30.5871, 0.2112, 0.2168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 153, 232) }
```

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

```
.background{ background-color: rgb(86, 153,  
232) }
```

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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