

Converting Colors

$Y_{xy}(30.8421, 0.2109, 0.2124)$

Have a look what the booklet for
Yxy(30.8421, 0.2109, 0.2124)
contains.

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Color

Yxy(30.9624, 0.2109, 0.2130)

Conversions

Conversions Part 1

Format	Color
Hex	5999EC
RGB	89, 153, 236
RGB Percent	35%, 60%, 93%
CMY	0.6509, 0.4000, 0.0744
CMYK	0.62, 0.35, 0.00, 0.07
HSL	214°, 79%, 64%
HSV	214°, 62%, 93%
XYZ	30.6571, 30.9624, 83.7438
YIQ	143.3260, -64.7870, 12.2450

Conversions

Conversions Part 2

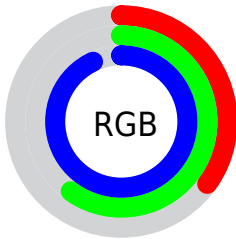
Format	Color
R_{YB}	89, 134, 236
Decimal	5872108
CIE _{Lab}	62.48, 4.64, -47.94
CIE _{LCh}	62, 48.164, 275.531
Yxy	30.9624, 0.2109, 0.2130
Android (android.graphics.Color)	4284062188 (0xFF5999EC)
YUV	143.3260, 45.6883, -47.6439
Hunter-Lab	55.6439, 0.9683, -50.2806

Details

The Yxy color **30.9624, 0.2109, 0.2130** 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 **48.0948, 0.4438, 0.4171**, and the grayscale version is **27.4421, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.3297, 0.2470, 0.2721**, and **12.9958, 0.1841, 0.1828** is the 20% darker color. If you saturate the color by 10%, you get **25.8531, 0.1969, 0.1908**, and if you desaturate by 10%, it is **36.9358, 0.2265, 0.2350**.

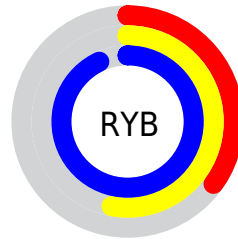
Distribution



Red (35%)

Green (60%)

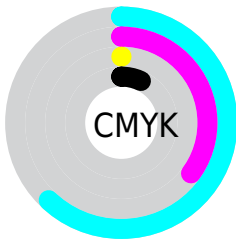
Blue (93%)



Red (35%)

Yellow (53%)

Blue (93%)

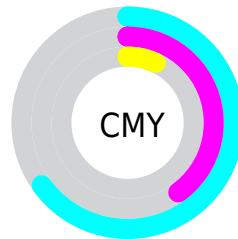


Cyan (62%)

Magenta (35%)

Yellow (0%)

Black (7%)



Cyan (65%)

Magenta (40%)


Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.9624, 0.2109, 0.2130 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 30.9624, 0.2109, 0.2130 by changing the saturation by 10% instead.


 30.9624, 0.2109,
0.2130

 30.9624, 0.2109,
0.2130


306.3651, 0.2625,
0.2710

 20.5702, 0.1983,
0.1991


 61.1809, 0.2295,
0.2338


 12.8102, 0.1825,
0.1818


 81.7759, 0.2366,
0.2417

 7.2980, 0.1622,
0.1598


 106.5408, 0.2426,
0.2484

 3.6492, 0.1359,
0.1316

 135.8598, 0.2477,
0.2542

 1.4793, 0.1015,
0.0955

170.1173, 0.2522,
0.2592

 0.2741, 0.0494,
0.0362

209.6977, 0.2560,

 0.0000, 0.0000,

0.2636

0.0000

254.9855, 0.2595,
0.2675

■ 30.9624, 0.2109,
0.2130

■ 30.9624, 0.2109,
0.2130

■ 25.8531, 0.1969,
0.1908

■ 36.9358, 0.2265,
0.2350

■ 21.5515, 0.1851,
0.1691

■ 43.8178, 0.2431,
0.2562

■ 17.9970, 0.1760,
0.1487

■ 51.6527, 0.2602,
0.2760

■ 15.6984, 0.1706,
0.1341

■ 60.4808, 0.2771,
0.2944

■ 70.3397, 0.2935,
0.3110

■ 81.2648, 0.3093,
0.3258

■ 93.2896, 0.3241,
0.3391

■ 98.8382, 0.3238,
0.3473

Harmonies

Analogous

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



30.9624, 0.1834, 0.2315



30.9624, 0.2109, 0.2130



30.9624, 0.2656, 0.2202

Triad

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



30.9624, 0.2109, 0.2130



30.9624, 0.4611, 0.3492



30.9624, 0.2723, 0.4345

Complementary

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



30.9624, 0.2109, 0.2130



48.0948, 0.4438, 0.4171

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.



30.9624, 0.3454, 0.4709



30.9624, 0.2109, 0.2130



30.9624, 0.4579, 0.4057

Square

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



30.9624, 0.2109, 0.2130



30.9624, 0.4166, 0.2945



30.9624, 0.4136, 0.4535



30.9624, 0.2142, 0.3564

Rectangle

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



30.9624, 0.2109, 0.2130



30.9624, 0.3146, 0.2373



30.9624, 0.4136, 0.4535



30.9624, 0.2960, 0.4529

Sweetspot

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



30.9634, 0.2109, 0.2130



75.7041, 0.2824, 0.2999



65.0347, 0.2674, 0.4202



15.5063, 0.2776, 0.2949



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.



30.9634, 0.2109, 0.2130



29.1568, 0.1931, 0.1841



15.7160, 0.1958, 0.1304



15.6271, 0.2980, 0.3153



8.8975, 0.1714, 0.1371



0.8869, 0.1789, 0.1639

Inverse Universe

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



27.2888, 0.4212, 0.2616



27.0040, 0.4577, 0.2558



77.3395, 0.3943, 0.4763



15.1629, 0.3225, 0.3188



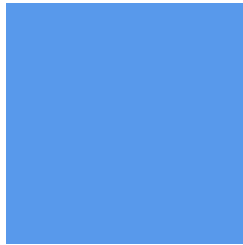
10.3910, 0.5230, 0.2655



0.8349, 0.4882, 0.2463

Previews

White Background



This preview shows how the Yxy color 30.9624, 0.2109, 0.2130 looks on a white background.

Color Contrast Check

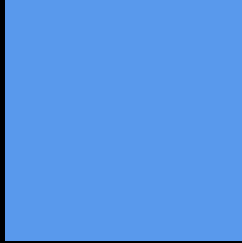
Large Text (above 18pt) WCAG AA × Fail

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 30.9624, 0.2109, 0.2130 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

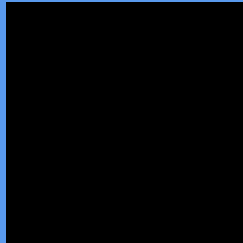
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

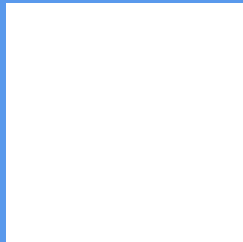
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 30.9624, 0.2109, 0.2130

Background



This preview shows how black text looks on a background with the Yxy color 30.9624, 0.2109, 0.2130.



This preview shows how white text looks on a background with the Yxy color 30.9624, 0.2109, 0.2130.

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

30.9624, 0.2109, 0.2130

Protanopia

30.6300, 0.2279, 0.2142

Deuteranopia

30.8107, 0.2162, 0.2096



Tritanopia

31.0853, 0.2305, 0.3068

Trichromacy



Original Color

30.9624, 0.2109, 0.2130

Protanomaly

30.6293, 0.2210, 0.2131

Deuteranomaly

30.8443, 0.2140, 0.2103

Tritanomaly

30.9529, 0.2226, 0.2685

Monochromacy



Original Color

30.9624, 0.2109, 0.2130

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

28.2527, 0.2642, 0.2813

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.9624, 0.2109, 0.2130 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(89, 153, 236)` looks like.

```
.text, #text, p{  
    color:rgb(89, 153, 236)  
}
```

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(89, 153, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 153, 236) }
```

Border

The CSS property to change the border of an element to Yxy 30.9624, 0.2109, 0.2130 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(89, 153, 236) }
```

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

```
.border{ border-color:rgb(89, 153, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 153, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 153, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 153, 236);  
box-shadow:4px 4px 4px 4px rgb(89, 153,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 30.9624, 0.2109, 0.2130 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 153, 236) }
```

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

```
.background{ background-color: rgb(89, 153,  
236) }
```

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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