

Converting Colors

$Y_{xy}(30.2947, 0.2352, 0.2137)$

Have a look what the booklet for
Yxy(30.2947, 0.2352, 0.2137)
contains.

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Color

Yxy(30.4290, 0.2355, 0.2141)

Conversions

Conversions Part 1

Format	Color
Hex	8390E5
RGB	131, 144, 229
RGB Percent	51%, 56%, 90%
CMY	0.4864, 0.4352, 0.1020
CMYK	0.43, 0.37, 0.00, 0.10
HSL	232°, 65%, 71%
HSV	232°, 43%, 90%
XYZ	33.4705, 30.4290, 78.2257
YIQ	149.8030, -35.0330, 23.6790

Conversions

Conversions Part 2

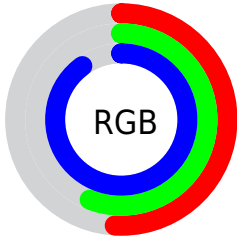
Format	Color
R_{YB}	131, 142, 229
Decimal	8622309
CIE _{Lab}	62.02, 16.78, -44.60
CIE _{LCh}	62, 47.656, 290.615
Y _{xy}	30.4290, 0.2355, 0.2141
Android (android.graphics.Color)	4286812389 (0xFF8390E5)
YUV	149.8030, 39.0441, -16.4902
Hunter-Lab	55.1625, 11.7726, -45.4652

Details

The Yxy color **30.4290, 0.2355, 0.2141** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **67.3745, 0.3819, 0.4222**, and the grayscale version is **30.2530, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.2995, 0.2681, 0.2650**, and **12.5184, 0.2120, 0.1837** is the 20% darker color. If you saturate the color by 10%, you get **23.3052, 0.2153, 0.1820**, and if you desaturate by 10%, it is **39.0163, 0.2556, 0.2451**.

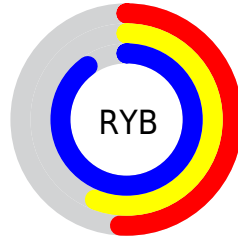
Distribution



Red (51%)

Green (56%)

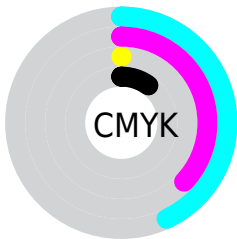
Blue (90%)



Red (51%)

Yellow (56%)

Blue (90%)

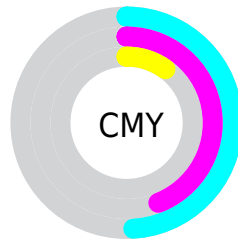


Cyan (43%)

Magenta (37%)

Yellow (0%)

Black (10%)



Cyan (49%)


Magenta (44%)

Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.4290, 0.2355, 0.2141 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 30.4290, 0.2355, 0.2141 by changing the saturation by 10% instead.


 30.4290, 0.2355,
0.2141


 30.4290, 0.2355,
0.2141


303.8990, 0.2758,
0.2709


 20.1644, 0.2252,
0.2005


 60.3400, 0.2504,
0.2344

 12.5146, 0.2121,
0.1836


 80.7551, 0.2559,
0.2421

 7.0952, 0.1947,
0.1621


 105.3227, 0.2606,
0.2487

 3.5217, 0.1711,
0.1344

134.4269, 0.2645,
0.2544

 1.4098, 0.1383,
0.0985

168.4523, 0.2679,
0.2593

 0.2239, 0.0923,
0.0332

207.7831, 0.2709,

 0.0000, 0.0000,

0.2637

0.0000

252.8039, 0.2735,
0.2675

■ 30.4290, 0.2355,
0.2141

■ 30.4290, 0.2355,
0.2141

■ 23.3052, 0.2153,
0.1820

■ 39.0163, 0.2556,
0.2451

■ 17.5593, 0.1960,
0.1504

■ 49.1394, 0.2747,
0.2738

■ 13.1018, 0.1790,
0.1212

■ 60.8702, 0.2925,
0.2999

■ 9.8310, 0.1656,
0.0966

■ 74.2745, 0.3085,
0.3230

■ 7.6291, 0.1565,
0.0781

■ 89.4149, 0.3229,
0.3433

■ 6.6089, 0.1525,
0.0690

■ 98.4362, 0.3280,
0.3542

Harmonies

Analogous

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



30.4290, 0.1942, 0.2192



30.4290, 0.2355, 0.2141



30.4290, 0.3020, 0.2326

Triad

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



30.4290, 0.2355, 0.2141



30.4290, 0.4648, 0.3777



30.4290, 0.2405, 0.3975

Complementary

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



30.4290, 0.2355, 0.2141



67.3745, 0.3819, 0.4222

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.



30.4290, 0.3081, 0.4591



30.4290, 0.2355, 0.2141



30.4290, 0.4392, 0.4315

Square

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



30.4290, 0.2355, 0.2141



30.4290, 0.4439, 0.3214



30.4290, 0.3809, 0.4672



30.4290, 0.1957, 0.3155

Rectangle

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



30.4290, 0.2355, 0.2141



30.4290, 0.3547, 0.2561



30.4290, 0.3809, 0.4672



30.4290, 0.2612, 0.4226

Sweetspot

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



30.4301, 0.2355, 0.2141



77.2610, 0.2920, 0.2992



65.8062, 0.2611, 0.3454



15.7893, 0.2882, 0.2937



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.



30.4301, 0.2355, 0.2141



30.9988, 0.2183, 0.1869



30.0866, 0.2611, 0.2058



14.1948, 0.2980, 0.3080



3.8777, 0.1529, 0.0705



0.3864, 0.1587, 0.0914

Inverse Universe

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



34.8942, 0.4092, 0.3141



37.8753, 0.4400, 0.3117



69.0111, 0.3490, 0.4451



14.3991, 0.3272, 0.3259



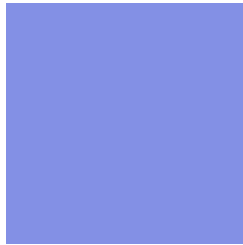
9.5892, 0.6224, 0.3202



0.7187, 0.5891, 0.3019

Previews

White Background



This preview shows how the Yxy color 30.4290, 0.2355, 0.2141 looks on a white background.

Color Contrast Check

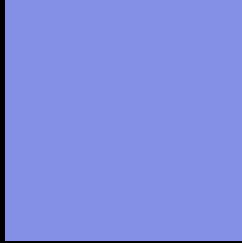
Large Text (above 18pt) WCAG AA × Fail

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 30.4290, 0.2355, 0.2141 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

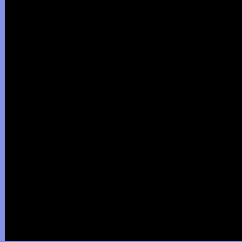
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.4290, 0.2355, 0.2141

Background



This preview shows how black text looks on a background with the Yxy color 30.4290, 0.2355, 0.2141.



This preview shows how white text looks on a background with the Yxy color 30.4290, 0.2355, 0.2141.

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

30.4290, 0.2355, 0.2141

Protanopia

30.5589, 0.2273, 0.2140

Deuteranopia

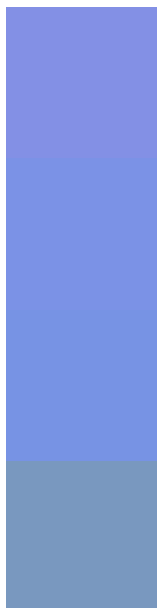
30.5411, 0.2251, 0.2188



Tritanopia

30.2863, 0.2654, 0.3078

Trichromacy



Original Color

30.4290, 0.2355, 0.2141

Protanomaly

30.4819, 0.2301, 0.2143

Deuteranomaly

30.3908, 0.2289, 0.2171

Tritanomaly

30.2830, 0.2536, 0.2693

Monochromacy



Original Color

30.4290, 0.2355, 0.2141

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

30.2741, 0.2803, 0.2823

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.4290, 0.2355, 0.2141 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(131, 144, 229)` looks like.

```
.text, #text, p{  
    color:rgb(131, 144, 229)  
}
```

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(131, 144, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 144, 229) }
```

Border

The CSS property to change the border of an element to Yxy 30.4290, 0.2355, 0.2141 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(131, 144, 229) }
```

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

```
.border{ border-color:rgb(131, 144, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 144, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 144, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 144, 229);  
box-shadow:4px 4px 4px 4px rgb(131, 144,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 30.4290, 0.2355, 0.2141 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 144, 229) }
```

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

```
.background{ background-color: rgb(131,  
144, 229) }
```

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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