

Converting Colors

$Y_{xy}(29.0734, 0.2349, 0.2238)$

Have a look what the booklet for
Yxy(29.0734, 0.2349, 0.2238)
contains.

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Color

Yxy(29.0734, 0.2349, 0.2238)

Conversions

Conversions Part 1

Format	Color
Hex	7990DA
RGB	121, 144, 218
RGB Percent	47%, 56%, 85%
CMY	0.5253, 0.4353, 0.1452
CMYK	0.44, 0.34, 0.00, 0.15
HSL	226°, 57%, 66%
HSV	226°, 44%, 85%
XYZ	30.5154, 29.0734, 70.3192
YIQ	145.5590, -37.4620, 18.1380

Conversions

Conversions Part 2

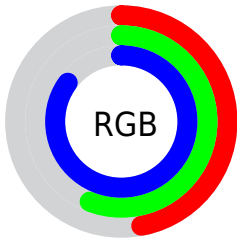
Format	Color
R_{YB}	121, 140, 218
Decimal	7966938
CIE Lab	60.85, 11.14, -40.38
CIE LCh	61, 41.890, 285.418
Yxy	29.0734, 0.2349, 0.2238
Android (android.graphics.Color)	4286157018 (0xFF7990DA)
YUV	145.5590, 35.7134, -21.5382
Hunter-Lab	53.9198, 6.6608, -39.5789

Details

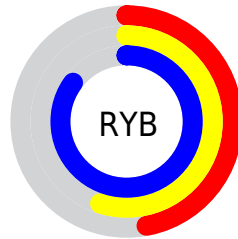
The Yxy color **29.0734, 0.2349, 0.2238** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **55.3273, 0.3893, 0.4152**, and the grayscale version is **28.4214, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.9553, 0.2610, 0.2637**, and **11.7736, 0.2104, 0.1936** is the 20% darker color. If you saturate the color by 10%, you get **22.9992, 0.2160, 0.1951**, and if you desaturate by 10%, it is **36.2482, 0.2539, 0.2513**.

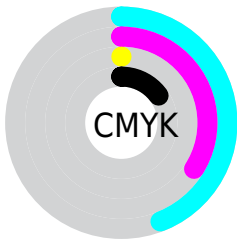
Distribution



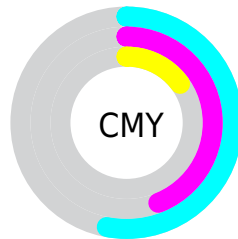
- Red (47%)
- Green (56%)
- Blue (85%)



- Red (47%)
- Yellow (55%)
- Blue (85%)



- Cyan (44%)
- Magenta (34%)
- Yellow (0%)
- Black (15%)



- Cyan (53%)
- Magenta (44%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.0734, 0.2349, 0.2238 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 29.0734, 0.2349, 0.2238 by changing the saturation by 10% instead.

■ 29.0734, 0.2349,
0.2238

■ 29.0734, 0.2349,
0.2238

■ 297.5611, 0.2757,
0.2770

■ 19.1364, 0.2244,
0.2107

■ 58.1937, 0.2500,
0.2431

■ 11.7688, 0.2108,
0.1941

■ 78.1457, 0.2556,
0.2503

■ 6.5865, 0.1928,
0.1727

■ 102.2049, 0.2603,
0.2565

■ 3.2049, 0.1681,
0.1443

■ 130.7555, 0.2643,
0.2618

■ 1.2396, 0.1332,
0.1064

■ 164.1821, 0.2678,
0.2664

■ 0.0937, 0.0720,
0.0187

■ 202.8689, 0.2708,

■ 0.0000, 0.0000,

0.2704

0.0000

247.2005, 0.2734,
0.2739

■ 29.0734, 0.2349,
0.2238

■ 29.0734, 0.2349,
0.2238

■ 22.9992, 0.2160,
0.1951

■ 36.2482, 0.2539,
0.2513

■ 17.9658, 0.1981,
0.1663

■ 44.5729, 0.2724,
0.2768

■ 13.9122, 0.1823,
0.1388

■ 54.0973, 0.2898,
0.2999

■ 10.7692, 0.1696,
0.1142

■ 64.8674, 0.3060,
0.3206

■ 8.4569, 0.1605,
0.0939

■ 76.9269, 0.3207,
0.3388

■ 7.4823, 0.1569,
0.0847

■ 90.3170, 0.3340,
0.3547

■ 97.8409, 0.3346,
0.3651

Harmonies

Analogous

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



29.0734, 0.2012, 0.2332



29.0734, 0.2349, 0.2238



29.0734, 0.2919, 0.2371

Triad

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



29.0734, 0.2349, 0.2238



29.0734, 0.4488, 0.3659



29.0734, 0.2579, 0.4014

Complementary

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



29.0734, 0.2349, 0.2238



55.3273, 0.3893, 0.4152

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.



29.0734, 0.3213, 0.4486



29.0734, 0.2349, 0.2238



29.0734, 0.4336, 0.4153

Square

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



29.0734, 0.2349, 0.2238



29.0734, 0.4222, 0.3146



29.0734, 0.3858, 0.4497



29.0734, 0.2123, 0.3300

Rectangle

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



29.0734, 0.2349, 0.2238



29.0734, 0.3383, 0.2567



29.0734, 0.3858, 0.4497



29.0734, 0.2777, 0.4216

Sweetspot

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



29.0745, 0.2349, 0.2238



79.1521, 0.2921, 0.3029



58.0846, 0.2657, 0.3617



16.2503, 0.2884, 0.2980



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.



29.0745, 0.2349, 0.2238



33.6099, 0.2179, 0.1980



24.7916, 0.2488, 0.1976



13.1152, 0.2981, 0.3106



4.6224, 0.1575, 0.0869



0.4328, 0.1661, 0.1180

Inverse Universe

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



30.6015, 0.4017, 0.3014



36.9190, 0.4306, 0.2966



62.9501, 0.3590, 0.4457



13.1018, 0.3255, 0.3235



9.0904, 0.5960, 0.3057



0.6024, 0.5495, 0.2801

Previews

White Background



This preview shows how the Yxy color 29.0734, 0.2349, 0.2238 looks on a white background.

Color Contrast Check

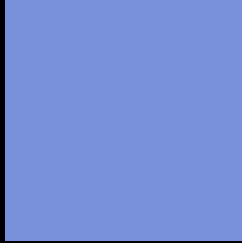
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.0734, 0.2349, 0.2238 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

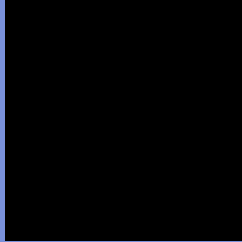
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.0734, 0.2349, 0.2238

Background



This preview shows how black text looks on a background with the Yxy color 29.0734, 0.2349, 0.2238.



This preview shows how white text looks on a background with the Yxy color 29.0734, 0.2349, 0.2238.

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

29.0734, 0.2349, 0.2238

Protanopia

29.0734, 0.2349, 0.2238

Deuteranopia

29.2646, 0.2314, 0.2257



Tritanopia

29.0270, 0.2603, 0.3072

Trichromacy



Original Color

29.0734, 0.2349, 0.2238

Protanomaly

29.0734, 0.2349, 0.2238

Deuteranomaly

29.0947, 0.2324, 0.2245

Tritanomaly

28.8026, 0.2498, 0.2720

Monochromacy



Original Color

29.0734, 0.2349, 0.2238

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

28.5477, 0.2803, 0.2869

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.0734, 0.2349, 0.2238 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(121, 144, 218)` looks like.

```
.text, #text, p{  
    color:rgb(121, 144, 218)  
}
```

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(121, 144, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 144, 218) }
```

Border

The CSS property to change the border of an element to Yxy 29.0734, 0.2349, 0.2238 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(121, 144, 218) }
```

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

```
.border{ border-color:rgb(121, 144, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 144, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 144, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 144, 218);  
box-shadow:4px 4px 4px 4px rgb(121, 144,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 29.0734, 0.2349, 0.2238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 144, 218) }
```

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

```
.background{ background-color: rgb(121,  
144, 218) }
```

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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