

Converting Colors

$Y_{xy}(29.4041, 0.2210, 0.1901)$

Have a look what the booklet for
Yxy(29.4041, 0.2210, 0.1901)
contains.

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Color

Yxy(29.4041, 0.2210, 0.1901)

Conversions

Conversions Part 1

Format	Color
Hex	7C8BF6
RGB	124, 139, 246
RGB Percent	49%, 55%, 96%
CMY	0.5137, 0.4549, 0.0352
CMYK	0.50, 0.44, 0.00, 0.04
HSL	233°, 87%, 73%
HSV	233°, 50%, 96%
XYZ	34.1836, 29.4041, 91.0893
YIQ	146.7130, -43.2870, 30.0970

Conversions

Conversions Part 2

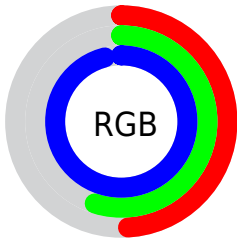
Format	Color
RYB	124, 137, 246
Decimal	8162294
CIELab	61.14, 23.09, -55.46
CIElCh	61, 60.071, 292.603
Yxy	29.4041, 0.2210, 0.1901
Android (android.graphics.Color)	4286352374 (0xFF7C8BF6)
YUV	146.7130, 48.9485, -19.9193
Hunter-Lab	54.2255, 17.6311, -61.6388

Details

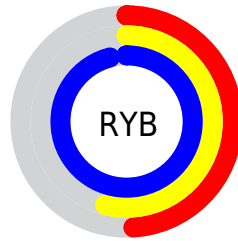
The Yxy color **29.4041, 0.2210, 0.1901** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **78.2328, 0.3925, 0.4372**, and the grayscale version is **28.8617, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.8644, 0.2634, 0.2572**, and **11.8756, 0.1940, 0.1556** is the 20% darker color. If you saturate the color by 10%, you get **22.1503, 0.2011, 0.1578**, and if you desaturate by 10%, it is **38.3507, 0.2415, 0.2224**.

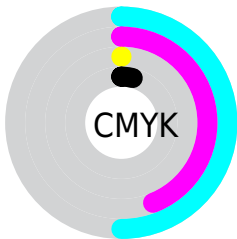
Distribution



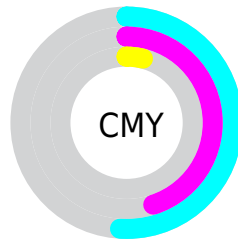
- Red (49%)
- Green (55%)
- Blue (96%)



- Red (49%)
- Yellow (54%)
- Blue (96%)



- Cyan (50%)
- Magenta (44%)
- Yellow (0%)
- Black (4%)





- Cyan (51%)
- Magenta (45%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.4041, 0.2210, 0.1901 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 29.4041, 0.2210, 0.1901 by changing the saturation by 10% instead.


 29.4041, 0.2210,
0.1901

 29.4041, 0.2210,
0.1901


299.1169, 0.2685,
0.2570

 19.3867, 0.2092,
0.1748


 58.7185, 0.2383,
0.2135

 11.9501, 0.1943,
0.1562


 78.7843, 0.2449,
0.2225

 6.7097, 0.1751,
0.1334


 102.9684, 0.2504,
0.2303

 3.2812, 0.1499,
0.1053

131.6552, 0.2551,
0.2371

 1.2802, 0.1166,
0.0715

165.2290, 0.2591,
0.2430

 0.1258, 0.0745,
0.0137

204.0743, 0.2627,

 0.0000, 0.0000,

0.2482

0.0000

248.5755, 0.2658,
0.2529

■ 29.4041, 0.2210,
0.1901

■ 29.4041, 0.2210,
0.1901

■ 22.1503, 0.2011,
0.1578

■ 38.3507, 0.2415,
0.2224

■ 16.4786, 0.1832,
0.1274

■ 49.0851, 0.2615,
0.2533

■ 12.2699, 0.1686,
0.1012

■ 61.6989, 0.2804,
0.2817

■ 9.3862, 0.1582,
0.0811

■ 76.2764, 0.2977,
0.3073

■ 7.6467, 0.1523,
0.0679

■ 92.8967, 0.3133,
0.3299

■ 7.5954, 0.1521,
0.0675

■ 99.4359, 0.3179,
0.3376

Harmonies

Analogous

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



29.4041, 0.1706, 0.1926



29.4041, 0.2210, 0.1901



29.4041, 0.3041, 0.2139

Triad

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



29.4041, 0.2210, 0.1901



29.4041, 0.5023, 0.3867



29.4041, 0.2158, 0.4106

Complementary

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



29.4041, 0.2210, 0.1901



78.2328, 0.3925, 0.4372

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.



29.4041, 0.2966, 0.4967



29.4041, 0.2210, 0.1901



29.4041, 0.4626, 0.4542

Square

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



29.4041, 0.2210, 0.1901



29.4041, 0.4832, 0.3201



29.4041, 0.3865, 0.5046



29.4041, 0.1661, 0.3021

Rectangle

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



29.4041, 0.2210, 0.1901



29.4041, 0.3714, 0.2425



29.4041, 0.3865, 0.5046



29.4041, 0.2402, 0.4458

Sweetspot

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



29.4051, 0.2210, 0.1901



73.8830, 0.2885, 0.2938



75.9177, 0.2549, 0.3485



15.1139, 0.2848, 0.2883



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.



29.4051, 0.2210, 0.1901



23.6686, 0.2002, 0.1561



29.4806, 0.2503, 0.1838



16.2545, 0.2979, 0.3076



4.1589, 0.1525, 0.0691



0.4685, 0.1572, 0.0858

Inverse Universe

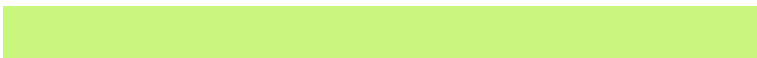
The Inverse Universe completely reimagines the original color for something new.



35.8801, 0.4357, 0.3134



32.1381, 0.4790, 0.3115



79.8454, 0.3535, 0.4645



16.5156, 0.3274, 0.3261



10.5192, 0.6248, 0.3215



0.9349, 0.5978, 0.3067

Previews

White Background



This preview shows how the Yxy color 29.4041, 0.2210, 0.1901 looks on a white background.

Color Contrast Check

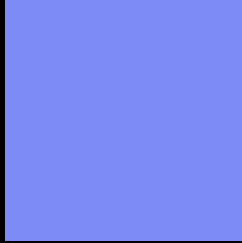
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.4041, 0.2210, 0.1901 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 29.4041, 0.2210, 0.1901

Background



This preview shows how black text looks on a background with the Yxy color 29.4041, 0.2210, 0.1901.



This preview shows how white text looks on a background with the Yxy color 29.4041, 0.2210, 0.1901.

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

29.4041, 0.2210, 0.1901

Protanopia

29.6153, 0.2081, 0.1891

Deuteranopia

29.5505, 0.2036, 0.1974



Tritanopia

29.3508, 0.2543, 0.3071

Trichromacy



Original Color

29.4041, 0.2210, 0.1901

Protanomaly

29.4368, 0.2119, 0.1886

Deuteranomaly

29.4400, 0.2089, 0.1943

Tritanomaly

29.0951, 0.2407, 0.2566

Monochromacy



Original Color

29.4041, 0.2210, 0.1901

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

28.8544, 0.2730, 0.2700

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.4041, 0.2210, 0.1901 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(124, 139, 246)` looks like.

```
.text, #text, p{  
    color:rgb(124, 139, 246)  
}
```

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(124, 139, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 139, 246) }
```

Border

The CSS property to change the border of an element to Yxy 29.4041, 0.2210, 0.1901 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(124, 139, 246) }
```

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

```
.border{ border-color:rgb(124, 139, 246) }
```

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

Here you see how a box with a 4 pixel rgb(124, 139, 246) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 139, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 139, 246);  
box-shadow:4px 4px 4px 4px rgb(124, 139,  
246) }
```


Background

The CSS property to change the background color of an element to Yxy 29.4041, 0.2210, 0.1901 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 139, 246) }
```

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

```
.background{ background-color: rgb(124,  
139, 246) }
```

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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