

Converting Colors

$Y_{xy}(29.9871, 0.2308, 0.2190)$

Have a look what the booklet for
Yxy(29.9871, 0.2308, 0.2190)
contains.

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Color

Yxy(29.9871, 0.2308, 0.2190)

Conversions

Conversions Part 1

Format	Color
Hex	7892E1
RGB	120, 146, 225
RGB Percent	47%, 57%, 88%
CMY	0.5298, 0.4273, 0.1177
CMYK	0.47, 0.35, 0.00, 0.12
HSL	225°, 64%, 68%
HSV	225°, 47%, 88%
XYZ	31.6028, 29.9871, 75.3375
YIQ	147.2320, -40.8550, 19.0570

Conversions

Conversions Part 2

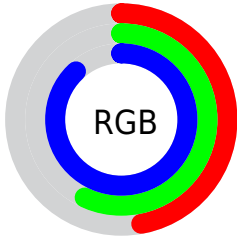
Format	Color
RYB	120, 141, 225
Decimal	7901921
CIELab	61.64, 11.72, -43.03
CIELCh	62, 44.595, 285.239
Yxy	29.9871, 0.2308, 0.2190
Android (android.graphics.Color)	4286092001 (0xFF7892E1)
YUV	147.2320, 38.3396, -23.8825
Hunter-Lab	54.7605, 7.1834, -43.2367

Details

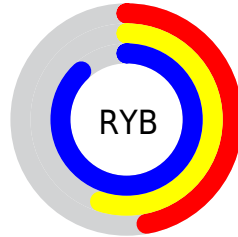
The Yxy color **29.9871, 0.2308, 0.2190** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **58.1391, 0.3943, 0.4182**, and the grayscale version is **29.1239, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.8757, 0.2613, 0.2661**, and **12.2871, 0.2064, 0.1894** is the 20% darker color. If you saturate the color by 10%, you get **23.7321, 0.2122, 0.1905**, and if you desaturate by 10%, it is **37.3927, 0.2498, 0.2464**.

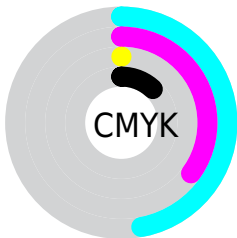
Distribution



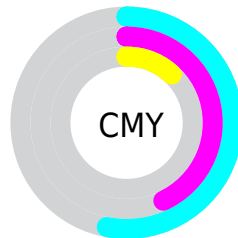
- Red (47%)
- Green (57%)
- Blue (88%)



- Red (47%)
- Yellow (55%)
- Blue (88%)



- Cyan (47%)
- Magenta (35%)
- Yellow (0%)
- Black (12%)



- Cyan (53%)
- Magenta (43%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.9871, 0.2308, 0.2190 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 29.9871, 0.2308, 0.2190 by changing the saturation by 10% instead.

■ 29.9871, 0.2308,
0.2190

■ 29.9871, 0.2308,
0.2190

■ 301.8443, 0.2734,
0.2741

■ 19.8288, 0.2200,
0.2056

■ 59.6418, 0.2465,
0.2388

■ 12.2707, 0.2061,
0.1889

■ 79.9069, 0.2523,
0.2463

■ 6.9283, 0.1879,
0.1674

■ 104.3098, 0.2572,
0.2527

■ 3.4173, 0.1632,
0.1393

■ 133.2349, 0.2614,
0.2582

■ 1.3533, 0.1290,
0.1025

■ 167.0665, 0.2650,
0.2630

■ 0.1819, 0.0761,
0.0301

■ 206.1890, 0.2682,

■ 0.0000, 0.0000,

0.2671

0.0000

250.9868, 0.2709,
0.2708

■ 29.9871, 0.2308,
0.2190

■ 29.9871, 0.2308,
0.2190

■ 23.7321, 0.2122,
0.1905

■ 37.3927, 0.2498,
0.2464

■ 18.5639, 0.1948,
0.1621

■ 46.0016, 0.2684,
0.2721

■ 14.4170, 0.1797,
0.1353

■ 55.8670, 0.2860,
0.2954

■ 11.2166, 0.1678,
0.1115

■ 67.0377, 0.3025,
0.3163

■ 8.8742, 0.1596,
0.0921

■ 79.5601, 0.3175,
0.3348

■ 8.2557, 0.1574,
0.0867

■ 93.4780, 0.3312,
0.3511

■ 98.2148, 0.3304,
0.3582

Harmonies

Analogous

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



29.9871, 0.1959, 0.2287



29.9871, 0.2308, 0.2190



29.9871, 0.2902, 0.2328

Triad

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



29.9871, 0.2308, 0.2190



29.9871, 0.4559, 0.3665



29.9871, 0.2551, 0.4060

Complementary

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



29.9871, 0.2308, 0.2190



58.1391, 0.3943, 0.4182

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.



29.9871, 0.3216, 0.4559



29.9871, 0.2308, 0.2190



29.9871, 0.4396, 0.4185

Square

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



29.9871, 0.2308, 0.2190



29.9871, 0.4278, 0.3132



29.9871, 0.3892, 0.4557



29.9871, 0.2076, 0.3301

Rectangle

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



29.9871, 0.2308, 0.2190



29.9871, 0.3390, 0.2532



29.9871, 0.3892, 0.4557



29.9871, 0.2760, 0.4275

Sweetspot

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



29.9882, 0.2308, 0.2190



77.9093, 0.2904, 0.3011



61.9332, 0.2638, 0.3637



16.0142, 0.2868, 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.



29.9882, 0.2308, 0.2190



31.7626, 0.2127, 0.1914



24.9741, 0.2447, 0.1899



13.7940, 0.2981, 0.3109



4.9144, 0.1581, 0.0891



0.4811, 0.1663, 0.1185

Inverse Universe

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



31.4916, 0.4072, 0.2986



35.0210, 0.4391, 0.2936



67.2926, 0.3610, 0.4517



13.7561, 0.3253, 0.3232



9.4042, 0.5926, 0.3038



0.6660, 0.5487, 0.2796

Previews

White Background



This preview shows how the Yxy color 29.9871, 0.2308, 0.2190 looks on a white background.

Color Contrast Check

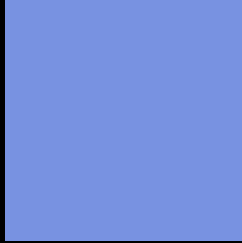
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.9871, 0.2308, 0.2190 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

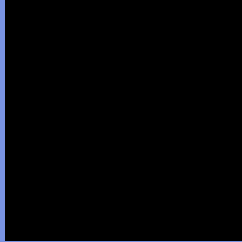
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 29.9871, 0.2308, 0.2190

Background



This preview shows how black text looks on a background with the Yxy color 29.9871, 0.2308, 0.2190.



This preview shows how white text looks on a background with the Yxy color 29.9871, 0.2308, 0.2190.

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

29.9871, 0.2308, 0.2190

Protanopia

30.0590, 0.2315, 0.2191

Deuteranopia

30.0608, 0.2264, 0.2205



Tritanopia

29.9593, 0.2567, 0.3074

Trichromacy



Original Color

29.9871, 0.2308, 0.2190

Protanomaly

30.0590, 0.2315, 0.2191

Deuteranomaly

29.9485, 0.2279, 0.2195

Tritanomaly

29.8152, 0.2466, 0.2711

Monochromacy



Original Color

29.9871, 0.2308, 0.2190

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

29.2809, 0.2780, 0.2857

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.9871, 0.2308, 0.2190 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(120, 146, 225)` looks like.

```
.text, #text, p{  
    color:rgb(120, 146, 225)  
}
```

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(120, 146, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 146, 225) }
```

Border

The CSS property to change the border of an element to Yxy 29.9871, 0.2308, 0.2190 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(120, 146, 225) }
```

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

```
.border{ border-color:rgb(120, 146, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 146, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 146, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 146, 225);  
box-shadow:4px 4px 4px 4px rgb(120, 146,  
225) }
```


Background

The CSS property to change the background color of an element to Yxy 29.9871, 0.2308, 0.2190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 146, 225) }
```

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

```
.background{ background-color: rgb(120,  
146, 225) }
```

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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