

Converting Colors

$Y_{xy}(29.9954, 0.2279, 0.2236)$

Have a look what the booklet for
Yxy(29.9954, 0.2279, 0.2236)
contains.

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Color

Yxy(29.8985, 0.2279, 0.2237)

Conversions

Conversions Part 1

Format	Color
Hex	7094DE
RGB	112, 148, 222
RGB Percent	44%, 58%, 87%
CMY	0.5608, 0.4196, 0.1293
CMYK	0.50, 0.33, 0.00, 0.13
HSL	220°, 63%, 65%
HSV	220°, 50%, 87%
XYZ	30.4598, 29.8985, 73.2961
YIQ	145.6720, -45.2100, 15.3820

Conversions

Conversions Part 2

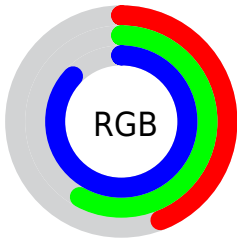
Format	Color
R _Y B	112, 139, 222
Decimal	7378142
CIE Lab	61.57, 7.82, -41.55
CIE LCh	62, 42.277, 280.666
Yxy	29.8985, 0.2279, 0.2237
Android (android.graphics.Color)	4285568222 (0xFF7094DE)
YUV	145.6720, 37.6297, -29.5303
Hunter-Lab	54.6795, 3.7463, -41.2006

Details

The Yxy color **29.8985, 0.2279, 0.2237** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **51.8376, 0.4046, 0.4143**, and the grayscale version is **28.4614, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.8961, 0.2568, 0.2677**, and **12.2454, 0.2027, 0.1952** is the 20% darker color. If you saturate the color by 10%, you get **24.2302, 0.2105, 0.1979**, and if you desaturate by 10%, it is **36.5329, 0.2459, 0.2486**.

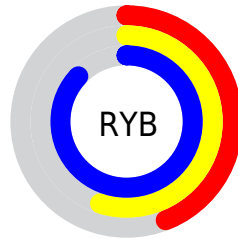
Distribution



Red (44%)

Green (58%)

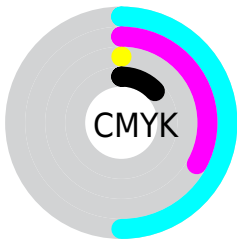
Blue (87%)



Red (44%)

Yellow (55%)

Blue (87%)

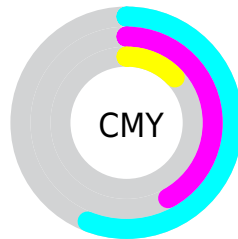


Cyan (50%)

Magenta (33%)

Yellow (0%)

Black (13%)



Cyan (56%)

Magenta (42%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.8985, 0.2279, 0.2237 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 29.8985, 0.2279, 0.2237 by changing the saturation by 10% instead.

■ 29.8985, 0.2279,
0.2237

■ 29.8985, 0.2279,
0.2237

■ 301.4311, 0.2719,
0.2769

■ 19.7616, 0.2168,
0.2106

■ 59.5016, 0.2441,
0.2430

■ 12.2218, 0.2025,
0.1941

■ 79.7366, 0.2501,
0.2502

■ 6.8949, 0.1838,
0.1728

■ 104.1064, 0.2552,
0.2564

■ 3.3965, 0.1585,
0.1447

■ 132.9953, 0.2595,
0.2617

■ 1.3421, 0.1235,
0.1073

■ 166.7879, 0.2632,
0.2663

■ 0.1734, 0.0638,
0.0311

■ 205.8684, 0.2665,

■ 0.0000, 0.0000,

0.2703

0.0000

250.6214, 0.2693,
0.2738

■ 29.8985, 0.2279,
0.2237

■ 29.8985, 0.2279,
0.2237

■ 24.2302, 0.2105,
0.1979

■ 36.5329, 0.2459,
0.2486

■ 19.4750, 0.1946,
0.1720

■ 44.1760, 0.2639,
0.2719

■ 15.5787, 0.1810,
0.1472

■ 52.8717, 0.2814,
0.2933

■ 12.4790, 0.1703,
0.1246

■ 62.6600, 0.2979,
0.3126

■ 10.0868, 0.1626,
0.1051

■ 73.5789, 0.3134,
0.3297

■ 9.9936, 0.1623,
0.1043

■ 85.6642, 0.3276,
0.3448

■ 96.5176, 0.3324,
0.3588

■ 98.0557, 0.3321,
0.3611

Harmonies

Analogous

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



29.8985, 0.1982, 0.2370



29.8985, 0.2279, 0.2237



29.8985, 0.2816, 0.2336

Triad

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



29.8985, 0.2279, 0.2237



29.8985, 0.4474, 0.3576



29.8985, 0.2671, 0.4114

Complementary

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



29.8985, 0.2279, 0.2237



51.8376, 0.4046, 0.4143

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.



29.8985, 0.3319, 0.4519



29.8985, 0.2279, 0.2237



29.8985, 0.4385, 0.4080

Square

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



29.8985, 0.2279, 0.2237



29.8985, 0.4144, 0.3068



29.8985, 0.3949, 0.4460



29.8985, 0.2179, 0.3413

Rectangle

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



29.8985, 0.2279, 0.2237



29.8985, 0.3270, 0.2514



29.8985, 0.3949, 0.4460



29.8985, 0.2877, 0.4298

Sweetspot

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



29.8996, 0.2279, 0.2237



78.1181, 0.2889, 0.3021



59.2231, 0.2664, 0.3792



16.1226, 0.2853, 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.



29.8996, 0.2279, 0.2237



33.2316, 0.2107, 0.1981



21.6366, 0.2321, 0.1778



13.9720, 0.2981, 0.3128



6.1148, 0.1631, 0.1069



0.5833, 0.1717, 0.1379

Inverse Universe

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



29.2612, 0.4046, 0.2868



33.5972, 0.4343, 0.2803



66.2247, 0.3706, 0.4556



13.7741, 0.3241, 0.3214



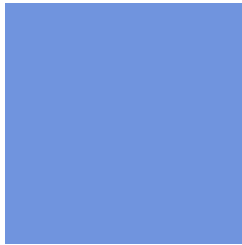
9.5253, 0.5655, 0.2889



0.6763, 0.5219, 0.2648

Previews

White Background



This preview shows how the Yxy color 29.8985, 0.2279, 0.2237 looks on a white background.

Color Contrast Check

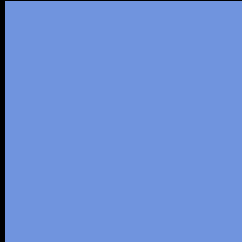
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.8985, 0.2279, 0.2237 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

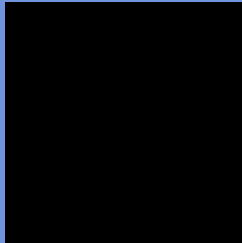
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.8985, 0.2279, 0.2237

Background



This preview shows how black text looks on a background with the Yxy color 29.8985, 0.2279, 0.2237.



This preview shows how white text looks on a background with the Yxy color 29.8985, 0.2279, 0.2237.

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

29.8985, 0.2279, 0.2237

Protanopia

29.9360, 0.2356, 0.2249

Deuteranopia

29.7188, 0.2289, 0.2226



Tritanopia

29.8808, 0.2508, 0.3071

Trichromacy



Original Color

29.8985, 0.2279, 0.2237

Protanomaly

30.0098, 0.2326, 0.2245

Deuteranomaly

29.6521, 0.2283, 0.2224

Tritanomaly

29.6537, 0.2415, 0.2720

Monochromacy



Original Color

29.8985, 0.2279, 0.2237

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

28.9918, 0.2761, 0.2869

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.8985, 0.2279, 0.2237 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(112, 148, 222)` looks like.

```
.text, #text, p{  
    color:rgb(112, 148, 222)  
}
```

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(112, 148, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 148, 222) }
```

Border

The CSS property to change the border of an element to Yxy 29.8985, 0.2279, 0.2237 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(112, 148, 222) }
```

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

```
.border{ border-color:rgb(112, 148, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 148, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(112, 148, 222); -webkit-box-shadow:4px 4px 4px 4px rgb(112, 148, 222); box-shadow:4px 4px 4px 4px rgb(112, 148, 222) }
```


Background

The CSS property to change the background color of an element to Yxy 29.8985, 0.2279, 0.2237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 148, 222) }
```

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

```
.background{ background-color: rgb(112,  
148, 222) }
```

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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