

Converting Colors

$Y_{xy}(30.4025, 0.2302, 0.2304)$

Have a look what the booklet for
Yxy(30.4025, 0.2302, 0.2304)
contains.

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Color

Yxy(30.3719, 0.2301, 0.2300)

Conversions

Conversions Part 1

Format	Color
Hex	7096DB
RGB	112, 150, 219
RGB Percent	44%, 59%, 86%
CMY	0.5604, 0.4118, 0.1411
CMYK	0.49, 0.32, 0.00, 0.14
HSL	219°, 60%, 65%
HSV	219°, 49%, 86%
XYZ	30.3851, 30.3719, 71.2947
YIQ	146.5040, -44.7970, 13.4030

Conversions

Conversions Part 2

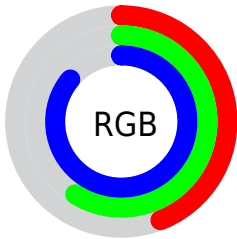
Format	Color
R _Y B	112, 140, 219
Decimal	7378651
CIE Lab	61.97, 5.79, -39.23
CIE LCh	62, 39.659, 278.393
Yxy	30.3719, 0.2301, 0.2300
Android (android.graphics.Color)	4285568731 (0xFF7096DB)
YUV	146.5040, 35.7405, -30.2600
Hunter-Lab	55.1107, 1.9716, -38.1238

Details

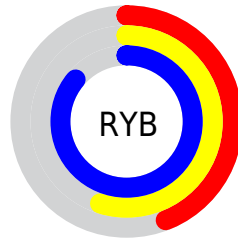
The Yxy color **30.3719, 0.2301, 0.2300** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **49.3376, 0.4047, 0.4099**, and the grayscale version is **28.8340, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.8407, 0.2571, 0.2701**, and **12.5789, 0.2053, 0.2021** is the 20% darker color. If you saturate the color by 10%, you get **24.8619, 0.2130, 0.2052**, and if you desaturate by 10%, it is **36.7782, 0.2478, 0.2538**.

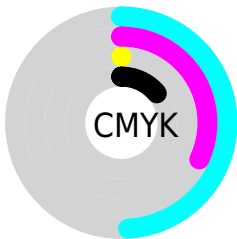
Distribution



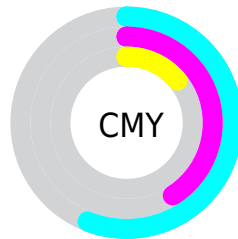
- Red (44%)
- Green (59%)
- Blue (86%)



- Red (44%)
- Yellow (55%)
- Blue (86%)



- Cyan (49%)
- Magenta (32%)
- Yellow (0%)
- Black (14%)



- Cyan (56%)
- Magenta (41%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.3719, 0.2301, 0.2300 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 30.3719, 0.2301, 0.2300 by changing the saturation by 10% instead.

■ 30.3719, 0.2301,
0.2300

■ 30.3719, 0.2301,
0.2300

■ 303.6341, 0.2729,
0.2803

■ 20.1210, 0.2192,
0.2175

■ 60.2498, 0.2458,
0.2483

■ 12.4831, 0.2053,
0.2017

■ 80.6457, 0.2517,
0.2552

■ 7.0736, 0.1870,
0.1811

■ 105.1920, 0.2566,
0.2610

■ 3.5081, 0.1621,
0.1536

■ 134.2731, 0.2608,
0.2660

■ 1.4024, 0.1274,
0.1164

■ 168.2735, 0.2645,
0.2703

■ 0.2185, 0.0661,
0.0414

■ 207.5776, 0.2676,

■ 0.0000, 0.0000,

0.2741

0.0000

252.5696, 0.2704,
0.2774

■ 30.3719, 0.2301,
0.2300

■ 30.3719, 0.2301,
0.2300

■ 24.8619, 0.2130,
0.2052

■ 36.7782, 0.2478,
0.2538

■ 20.1999, 0.1973,
0.1802

■ 44.1191, 0.2655,
0.2759

■ 16.3373, 0.1837,
0.1559

■ 52.4343, 0.2827,
0.2962

■ 13.2176, 0.1730,
0.1335

■ 61.7603, 0.2991,
0.3145

■ 10.7638, 0.1651,
0.1137

■ 72.1312, 0.3145,
0.3308

■ 10.5091, 0.1643,
0.1115

■ 83.5797, 0.3287,
0.3452

■ 94.1096, 0.3348,
0.3584

■ 97.8957, 0.3339,
0.3641

Harmonies

Analogous

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



30.3719, 0.2037, 0.2448



30.3719, 0.2301, 0.2300



30.3719, 0.2793, 0.2377

Triad

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



30.3719, 0.2301, 0.2300



30.3719, 0.4375, 0.3530



30.3719, 0.2747, 0.4095

Complementary

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



30.3719, 0.2301, 0.2300



49.3376, 0.4047, 0.4099

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.



30.3719, 0.3360, 0.4442



30.3719, 0.2301, 0.2300



30.3719, 0.4326, 0.4006

Square

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



30.3719, 0.2301, 0.2300



30.3719, 0.4038, 0.3051



30.3719, 0.3942, 0.4369



30.3719, 0.2266, 0.3460

Rectangle

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



30.3719, 0.2301, 0.2300



30.3719, 0.3213, 0.2536



30.3719, 0.3942, 0.4369



30.3719, 0.2944, 0.4256

Sweetspot

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



30.3730, 0.2301, 0.2300



78.6961, 0.2889, 0.3032



57.4140, 0.2689, 0.3835



16.2609, 0.2854, 0.2993



0.0000, 0.0000, 0.0000



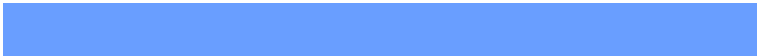
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



30.3730, 0.2301, 0.2300



34.6022, 0.2119, 0.2035



21.1861, 0.2307, 0.1794



13.3684, 0.2981, 0.3135



6.4176, 0.1651, 0.1142



0.5749, 0.1742, 0.1472

Inverse Universe

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



28.8734, 0.3986, 0.2840



33.7355, 0.4289, 0.2761



64.7933, 0.3727, 0.4524



13.1274, 0.3236, 0.3207



9.2716, 0.5549, 0.2830



0.6167, 0.5095, 0.2581

Previews

White Background



This preview shows how the Yxy color 30.3719, 0.2301, 0.2300 looks on a white background.

Color Contrast Check

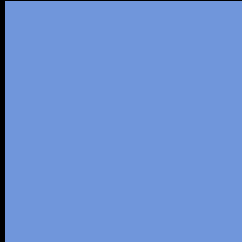
Large Text (above 18pt) WCAG AA × Fail

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 30.3719, 0.2301, 0.2300 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

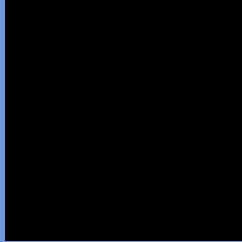
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

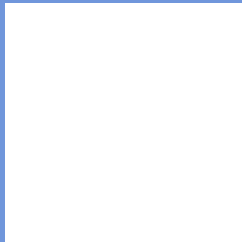
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 30.3719, 0.2301, 0.2300

Background



This preview shows how black text looks on a background with the Yxy color 30.3719, 0.2301, 0.2300.

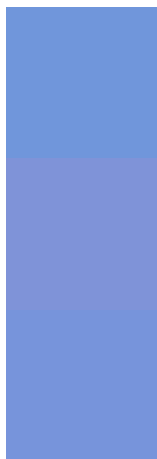


This preview shows how white text looks on a background with the Yxy color 30.3719, 0.2301, 0.2300.

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

30.3719, 0.2301, 0.2300

Protanopia

30.3373, 0.2409, 0.2315

Deuteranopia

30.2162, 0.2340, 0.2282



Tritanopia

30.3162, 0.2511, 0.3073

Trichromacy



Original Color

30.3719, 0.2301, 0.2300

Protanomaly

30.3271, 0.2371, 0.2309

Deuteranomaly

30.3224, 0.2323, 0.2292

Tritanomaly

30.2758, 0.2427, 0.2767

Monochromacy



Original Color

30.3719, 0.2301, 0.2300

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

29.2653, 0.2770, 0.2899

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.3719, 0.2301, 0.2300 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, 150, 219)` looks like.

```
.text, #text, p{  
    color:rgb(112, 150, 219)  
}
```

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, 150, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 150, 219) }
```

Border

The CSS property to change the border of an element to Yxy 30.3719, 0.2301, 0.2300 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, 150, 219) }
```

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

```
.border{ border-color:rgb(112, 150, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 150, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 150, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 150, 219);  
box-shadow:4px 4px 4px 4px rgb(112, 150,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 30.3719, 0.2301, 0.2300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 150, 219) }
```

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

```
.background{ background-color: rgb(112,  
150, 219) }
```

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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