

Converting Colors

$Yxy(30.6227, 0.2406, 0.2709)$

Have a look what the booklet for
Yxy(30.6227, 0.2406, 0.2709)
contains.

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Color

Yxy(30.5108, 0.2409, 0.2711)

Conversions

Conversions Part 1

Format	Color
Hex	679CC1
RGB	103, 156, 193
RGB Percent	40%, 61%, 76%
CMY	0.5959, 0.3883, 0.2431
CMYK	0.47, 0.19, 0.00, 0.24
HSL	205°, 42%, 58%
HSV	205°, 47%, 76%
XYZ	27.1120, 30.5108, 54.9217
YIQ	144.3710, -43.4650, 0.2710

Conversions

Conversions Part 2

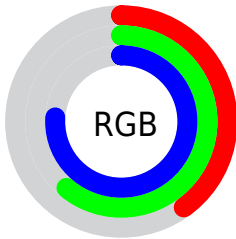
Format	Color
R _Y B	103, 136, 193
Decimal	6790337
CIE Lab	62.09, -7.47, -24.56
CIE LCh	62, 25.673, 253.089
Yxy	30.5108, 0.2409, 0.2711
Android (android.graphics.Color)	4284980417 (0xFF679CC1)
YUV	144.3710, 23.9741, -36.2824
Hunter-Lab	55.2366, -9.0503, -20.2864

Details

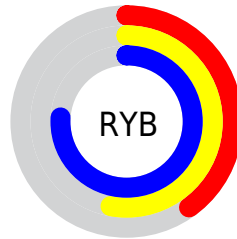
The Yxy color **30.5108, 0.2409, 0.2711** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **31.0935, 0.4127, 0.3792**, and the grayscale version is **27.9657, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.2644, 0.2544, 0.2818**, and **12.5716, 0.2188, 0.2528** is the 20% darker color. If you saturate the color by 10%, you get **26.9201, 0.2268, 0.2559**, and if you desaturate by 10%, it is **34.5416, 0.2559, 0.2855**.

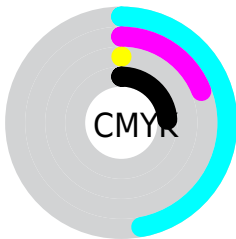
Distribution



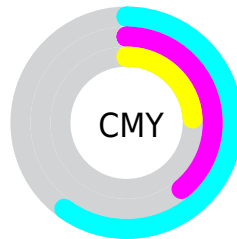
- Red (40%)
- Green (61%)
- Blue (76%)



- Red (40%)
- Yellow (53%)
- Blue (76%)



- Cyan (47%)
- Magenta (19%)
- Yellow (0%)
- Black (24%)



- Cyan (60%)
- Magenta (39%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.5108, 0.2409, 0.2711 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 30.5108, 0.2409, 0.2711 by changing the saturation by 10% instead.

■ 30.5108, 0.2409,
0.2711

■ 30.5108, 0.2409,
0.2711

■ 304.2782, 0.2783,
0.3020

■ 20.2266, 0.2312,
0.2628

■ 60.4690, 0.2548,
0.2828

■ 12.5599, 0.2186,
0.2519

■ 80.9119, 0.2599,
0.2870

■ 7.1262, 0.2016,
0.2368

■ 105.5098, 0.2642,
0.2906

■ 3.5411, 0.1777,
0.2150

■ 134.6471, 0.2679,
0.2936

■ 1.4204, 0.1424,
0.1814

■ 168.7082, 0.2710,
0.2961

■ 0.2316, 0.0144,
0.0881

■ 208.0774, 0.2737,

■ 0.0000, 0.0000,

0.2983

0.0000

253.1393, 0.2761,
0.3003

■ 30.5108, 0.2409,
0.2711

■ 30.5108, 0.2409,
0.2711

■ 26.9201, 0.2268,
0.2559

■ 34.5416, 0.2559,
0.2855

■ 23.7443, 0.2141,
0.2402

■ 39.0288, 0.2714,
0.2988

■ 20.9604, 0.2032,
0.2243

■ 43.9920, 0.2871,
0.3111

■ 18.5408, 0.1943,
0.2084

■ 49.4484, 0.3026,
0.3223

■ 16.4499, 0.1876,
0.1930

■ 55.4142, 0.3178,
0.3323

■ 15.7954, 0.1855,
0.1879

■ 61.9048, 0.3324,
0.3412

■ 68.9349, 0.3463,
0.3491

■ 76.0505, 0.3575,
0.3562

■ 80.3070, 0.3557,
0.3640

Harmonies

Analogous

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



30.5108, 0.2373, 0.2965



30.5108, 0.2409, 0.2711



30.5108, 0.2622, 0.2621

Triad

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



30.5108, 0.2409, 0.2711



30.5108, 0.3762, 0.3193



30.5108, 0.3233, 0.3994

Complementary

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



30.5108, 0.2409, 0.2711



31.0935, 0.4127, 0.3792

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.



30.5108, 0.3623, 0.4016



30.5108, 0.2409, 0.2711



30.5108, 0.3945, 0.3528

Square

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



30.5108, 0.2409, 0.2711



30.5108, 0.3399, 0.2895



30.5108, 0.3889, 0.3831



30.5108, 0.2831, 0.3739

Rectangle

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



30.5108, 0.2409, 0.2711



30.5108, 0.2847, 0.2651



30.5108, 0.3889, 0.3831



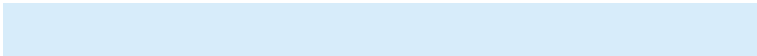
30.5108, 0.3370, 0.4028

Sweetspot

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



30.5119, 0.2409, 0.2711



81.0361, 0.2909, 0.3139



42.8982, 0.2837, 0.4149



16.9443, 0.2875, 0.3114



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



30.5119, 0.2409, 0.2711



48.0477, 0.2265, 0.2555



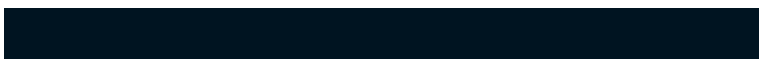
18.3330, 0.2279, 0.1987



10.7110, 0.2984, 0.3193



10.6644, 0.1861, 0.1898



0.5939, 0.1956, 0.2242

Inverse Universe

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



23.4478, 0.3628, 0.2590



35.2678, 0.3792, 0.2453



46.6086, 0.3857, 0.4322



10.1751, 0.3199, 0.3155



8.3588, 0.4570, 0.2291



0.3746, 0.4188, 0.2081

Previews

White Background



This preview shows how the Yxy color 30.5108, 0.2409, 0.2711 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 30.5108, 0.2409, 0.2711 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

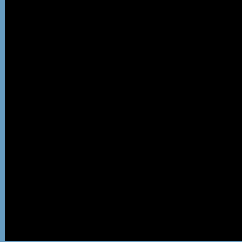
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

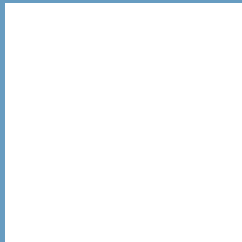
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 30.5108, 0.2409, 0.2711

Background



This preview shows how black text looks on a background with the Yxy color 30.5108, 0.2409, 0.2711.

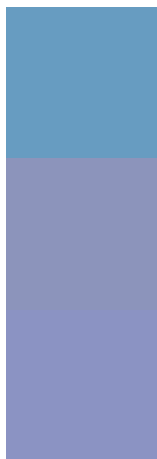


This preview shows how white text looks on a background with the Yxy color 30.5108, 0.2409, 0.2711.

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

30.5108, 0.2409, 0.2711

Protanopia

30.3431, 0.2712, 0.2710

Deuteranopia

30.2965, 0.2642, 0.2588



Tritanopia

30.6616, 0.2514, 0.3090

Trichromacy



Original Color

30.5108, 0.2409, 0.2711

Protanomaly

30.3194, 0.2595, 0.2712

Deuteranomaly

30.1434, 0.2550, 0.2628

Tritanomaly

30.7442, 0.2472, 0.2948

Monochromacy



Original Color

30.5108, 0.2409, 0.2711

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

28.4556, 0.2816, 0.3062

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.5108, 0.2409, 0.2711 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(103, 156, 193)` looks like.

```
.text, #text, p{  
    color:rgb(103, 156, 193)  
}
```

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(103, 156, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 156, 193) }
```

Border

The CSS property to change the border of an element to Yxy 30.5108, 0.2409, 0.2711 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(103, 156, 193) }
```

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

```
.border{ border-color:rgb(103, 156, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 156, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 156, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 156, 193);  
box-shadow:4px 4px 4px 4px rgb(103, 156,  
193) }
```


Background

The CSS property to change the background color of an element to Yxy 30.5108, 0.2409, 0.2711 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 156, 193) }
```

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

```
.background{ background-color: rgb(103,  
156, 193) }
```

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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