

Converting Colors

$Y_{xy}(30.5021, 0.2471, 0.2804)$

Have a look what the booklet for
Yxy(30.5021, 0.2471, 0.2804)
contains.

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Color

Yxy(30.4906, 0.2472, 0.2800)

Conversions

Conversions Part 1

Format	Color
Hex	6B9CBB
RGB	107, 156, 187
RGB Percent	42%, 61%, 73%
CMY	0.5805, 0.3882, 0.2666
CMYK	0.43, 0.17, 0.00, 0.27
HSL	203°, 37%, 58%
HSV	203°, 43%, 73%
XYZ	26.9188, 30.4906, 51.4856
YIQ	144.8830, -39.1550, -0.7470

Conversions

Conversions Part 2

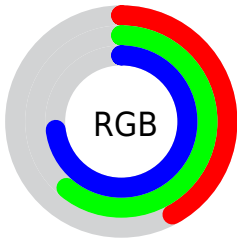
Format	Color
R _Y B	107, 137, 187
Decimal	7052475
CIE Lab	62.08, -8.18, -21.20
CIE LCh	62, 22.723, 248.909
Yxy	30.4906, 0.2472, 0.2800
Android (android.graphics.Color)	4285242555 (0xFF6B9CBB)
YUV	144.8830, 20.7637, -33.2234
Hunter-Lab	55.2183, -9.6135, -16.6292

Details

The Yxy color **30.4906, 0.2472, 0.2800** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **29.7942, 0.4030, 0.3725**, and the grayscale version is **28.1892, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.2456, 0.2603, 0.2897**, and **12.5813, 0.2263, 0.2631** is the 20% darker color. If you saturate the color by 10%, you get **27.0968, 0.2331, 0.2661**, and if you desaturate by 10%, it is **34.2824, 0.2622, 0.2931**.

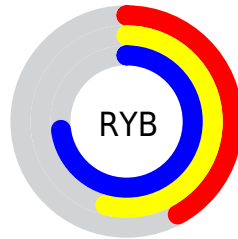
Distribution



Red (42%)

Green (61%)

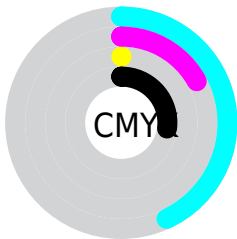
Blue (73%)



Red (42%)

Yellow (54%)

Blue (73%)

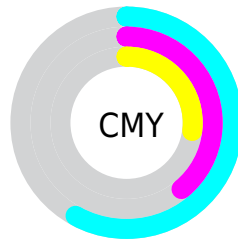


Cyan (43%)

Magenta (17%)

Yellow (0%)

Black (27%)



Cyan (58%)

Magenta (39%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.4906, 0.2472, 0.2800 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 30.4906, 0.2472, 0.2800 by changing the saturation by 10% instead.

■ 30.4906, 0.2472,
0.2800

■ 30.4906, 0.2472,
0.2800

■ 304.1846, 0.2814,
0.3063

■ 20.2113, 0.2383,
0.2728

■ 60.4372, 0.2600,
0.2900

■ 12.5487, 0.2265,
0.2633

■ 80.8732, 0.2646,
0.2936

■ 7.1185, 0.2107,
0.2501

■ 105.4636, 0.2686,
0.2966

■ 3.5363, 0.1880,
0.2306

■ 134.5927, 0.2719,
0.2992

■ 1.4177, 0.1539,
0.1997

■ 168.6450, 0.2748,
0.3014

■ 0.2297, 0.0085,
0.1043

■ 208.0048, 0.2773,

■ 0.0000, 0.0000,

0.3032

0.0000

253.0565, 0.2795,
0.3049

■ 30.4906, 0.2472,
0.2800

■ 30.4906, 0.2472,
0.2800

■ 27.0968, 0.2331,
0.2661

■ 34.2824, 0.2622,
0.2931

■ 24.0785, 0.2201,
0.2516

■ 38.4859, 0.2776,
0.3052

■ 21.4162, 0.2088,
0.2367

■ 43.1184, 0.2931,
0.3163

■ 19.0863, 0.1995,
0.2218

■ 48.1949, 0.3085,
0.3264

■ 17.0609, 0.1922,
0.2071

■ 53.7298, 0.3234,
0.3354

■ 15.7545, 0.1880,
0.1967

■ 59.7366, 0.3378,
0.3434

■ 66.2280, 0.3516,
0.3505

■ 72.9171, 0.3633,
0.3568

■ 76.6642, 0.3615,
0.3640

Harmonies

Analogous

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



30.4906, 0.2463, 0.3047



30.4906, 0.2472, 0.2800



30.4906, 0.2643, 0.2695

Triad

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



30.4906, 0.2472, 0.2800



30.4906, 0.3652, 0.3165



30.4906, 0.3275, 0.3924

Complementary

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



30.4906, 0.2472, 0.2800



29.7942, 0.4030, 0.3725

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.



30.4906, 0.3610, 0.3920



30.4906, 0.2472, 0.2800



30.4906, 0.3840, 0.3465

Square

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



30.4906, 0.2472, 0.2800



30.4906, 0.3318, 0.2906



30.4906, 0.3822, 0.3742



30.4906, 0.2913, 0.3726

Rectangle

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



30.4906, 0.2472, 0.2800



30.4906, 0.2834, 0.2708



30.4906, 0.3822, 0.3742



30.4906, 0.3395, 0.3946

Sweetspot

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



30.4918, 0.2472, 0.2800



76.8621, 0.2925, 0.3159



40.4935, 0.2865, 0.4085



16.5071, 0.2891, 0.3135



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



30.4918, 0.2472, 0.2800



49.0887, 0.2344, 0.2675



19.2727, 0.2363, 0.2137



10.1720, 0.2984, 0.3199



10.9971, 0.1885, 0.1985



0.5541, 0.1981, 0.2332

Inverse Universe

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



23.4747, 0.3546, 0.2622



35.9575, 0.3673, 0.2490



43.3372, 0.3803, 0.4226



9.6319, 0.3195, 0.3150



8.1399, 0.4470, 0.2236



0.3313, 0.4093, 0.2028

Previews

White Background



This preview shows how the Yxy color 30.4906, 0.2472, 0.2800 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 30.4906, 0.2472, 0.2800 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

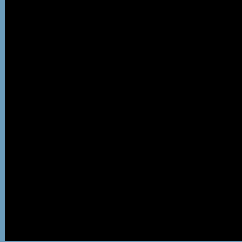
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

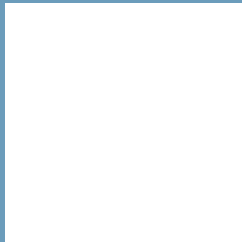
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 30.4906, 0.2472, 0.2800

Background



This preview shows how black text looks on a background with the Yxy color 30.4906, 0.2472, 0.2800.

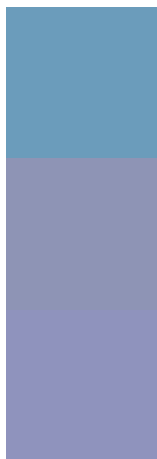


This preview shows how white text looks on a background with the Yxy color 30.4906, 0.2472, 0.2800.

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

30.4906, 0.2472, 0.2800

Protanopia

30.2668, 0.2777, 0.2794

Deuteranopia

30.3812, 0.2722, 0.2672



Tritanopia

30.6201, 0.2558, 0.3091

Trichromacy



Original Color

30.4906, 0.2472, 0.2800

Protanomaly

30.2192, 0.2654, 0.2798

Deuteranomaly

30.1894, 0.2624, 0.2714

Tritanomaly

30.5711, 0.2522, 0.2980

Monochromacy



Original Color

30.4906, 0.2472, 0.2800

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

28.8583, 0.2852, 0.3112

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.4906, 0.2472, 0.2800 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(107, 156, 187)` looks like.

```
.text, #text, p{  
    color:rgb(107, 156, 187)  
}
```

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(107, 156, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 156, 187) }
```

Border

The CSS property to change the border of an element to Yxy 30.4906, 0.2472, 0.2800 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(107, 156, 187) }
```

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

```
.border{ border-color:rgb(107, 156, 187) }
```

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

Here you see how a box with a 4 pixel rgb(107, 156, 187) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 156, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 156, 187);  
box-shadow:4px 4px 4px 4px rgb(107, 156,  
187) }
```


Background

The CSS property to change the background color of an element to Yxy 30.4906, 0.2472, 0.2800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 156, 187) }
```

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

```
.background{ background-color: rgb(107,  
156, 187) }
```

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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