

Converting Colors

$Y_{xy}(31.7686, 0.2453, 0.2670)$

Have a look what the booklet for
Yxy(31.7686, 0.2453, 0.2670)
contains.

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Color

Yxy(31.7686, 0.2453, 0.2670)

Conversions

Conversions Part 1

Format	Color
Hex	729DC6
RGB	114, 157, 198
RGB Percent	45%, 62%, 78%
CMY	0.5531, 0.3843, 0.2235
CMYK	0.42, 0.21, 0.00, 0.22
HSL	209°, 42%, 61%
HSV	209°, 42%, 78%
XYZ	29.1867, 31.7686, 58.0283
YIQ	148.8170, -38.7890, 3.6350

Conversions

Conversions Part 2

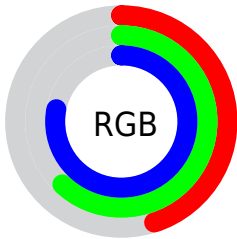
Format	Color
R_{YB}	114, 142, 198
Decimal	7511494
CIE _{Lab}	63.15, -3.84, -25.68
CIE _{LCh}	63, 25.970, 261.494
Yxy	31.7686, 0.2453, 0.2670
Android (android.graphics.Color)	4285701574 (0xFF729DC6)
YUV	148.8170, 24.2472, -30.5345
Hunter-Lab	56.3636, -6.2041, -21.5865

Details

The Yxy color **31.7686, 0.2453, 0.2670** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **36.6535, 0.3976, 0.3831**, and the grayscale version is **29.8801, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.2435, 0.2582, 0.2785**, and **13.2823, 0.2246, 0.2476** is the 20% darker color. If you saturate the color by 10%, you get **27.4422, 0.2298, 0.2491**, and if you desaturate by 10%, it is **36.6432, 0.2614, 0.2838**.

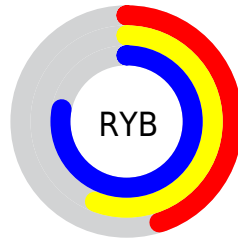
Distribution



Red (45%)

Green (62%)

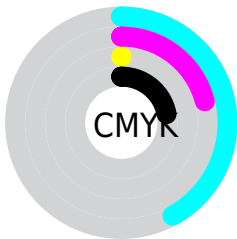
Blue (78%)



Red (45%)

Yellow (56%)

Blue (78%)

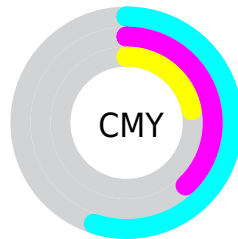


Cyan (42%)

Magenta (21%)

Yellow (0%)

Black (22%)



Cyan (55%)

Magenta (38%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.7686, 0.2453, 0.2670 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 31.7686, 0.2453, 0.2670 by changing the saturation by 10% instead.

■ 31.7686, 0.2453,
0.2670

■ 31.7686, 0.2453,
0.2670

■ 310.0638, 0.2803,
0.2996

■ 21.1848, 0.2363,
0.2585

■ 62.4482, 0.2582,
0.2792

■ 13.2592, 0.2246,
0.2473

■ 83.3127, 0.2630,
0.2836

■ 7.6072, 0.2088,
0.2321

■ 108.3730, 0.2671,
0.2874

■ 3.8447, 0.1867,
0.2105

■ 138.0133, 0.2705,
0.2906

■ 1.5871, 0.1540,
0.1779

■ 172.6182, 0.2734,
0.2933

■ 0.3489, 0.0712,
0.1044

■ 212.5720, 0.2760,

■ 0.0000, 0.0000,

0.2957

0.0000

258.2591, 0.2783,
0.2977

■ 31.7686, 0.2453,
0.2670

■ 31.7686, 0.2453,
0.2670

■ 27.4422, 0.2298,
0.2491

■ 36.6432, 0.2614,
0.2838

■ 23.6358, 0.2154,
0.2305

■ 42.0854, 0.2776,
0.2993

■ 20.3235, 0.2025,
0.2114

■ 48.1174, 0.2935,
0.3134

■ 17.4748, 0.1917,
0.1925

■ 54.7595, 0.3090,
0.3261

■ 15.0542, 0.1832,
0.1743

■ 62.0306, 0.3238,
0.3374

■ 13.4657, 0.1781,
0.1611

■ 69.9487, 0.3379,
0.3475

■ 78.5312, 0.3510,
0.3563

■ 84.3493, 0.3508,
0.3656

■ 90.0098, 0.3488,
0.3748

Harmonies

Analogous

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



31.7686, 0.2366, 0.2879



31.7686, 0.2453, 0.2670



31.7686, 0.2711, 0.2626

Triad

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



31.7686, 0.2453, 0.2670



31.7686, 0.3834, 0.3286



31.7686, 0.3117, 0.3943

Complementary

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



31.7686, 0.2453, 0.2670



36.6535, 0.3976, 0.3831

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.



31.7686, 0.3521, 0.4032



31.7686, 0.2453, 0.2670



31.7686, 0.3952, 0.3619

Square

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



31.7686, 0.2453, 0.2670



31.7686, 0.3512, 0.2972



31.7686, 0.3831, 0.3898



31.7686, 0.2732, 0.3635

Rectangle

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



31.7686, 0.2453, 0.2670



31.7686, 0.2957, 0.2684



31.7686, 0.3831, 0.3898



31.7686, 0.3255, 0.4000

Sweetspot

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



31.7698, 0.2453, 0.2670



84.3581, 0.2924, 0.3124



46.3226, 0.2813, 0.3947



17.5280, 0.2888, 0.3093



0.0000, 0.0000, 0.0000



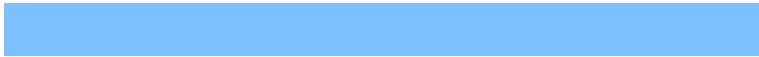
21.4041, 0.3127, 0.3290

Same Dimension

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



31.7698, 0.2453, 0.2670



49.0803, 0.2308, 0.2504



19.9969, 0.2345, 0.2012



11.1706, 0.2983, 0.3174



8.9276, 0.1787, 0.1634



0.5674, 0.1891, 0.2006

Inverse Universe

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



26.4683, 0.3648, 0.2729



39.7006, 0.3819, 0.2613



52.9793, 0.3760, 0.4311



10.7261, 0.3211, 0.3172



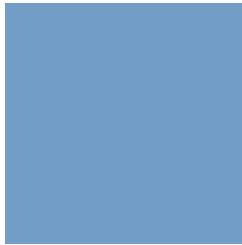
8.4412, 0.4889, 0.2467



0.4143, 0.4446, 0.2223

Previews

White Background



This preview shows how the Yxy color 31.7686, 0.2453, 0.2670 looks on a white background.

Color Contrast Check

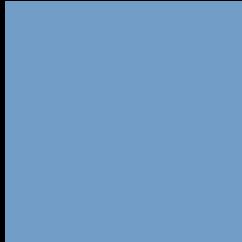
Large Text (above 18pt) WCAG AA × Fail

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 31.7686, 0.2453, 0.2670 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

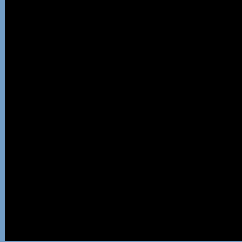
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

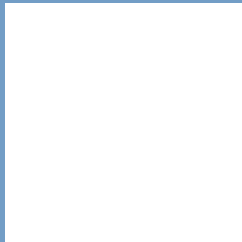
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 31.7686, 0.2453, 0.2670

Background



This preview shows how black text looks on a background with the Yxy color 31.7686, 0.2453, 0.2670.

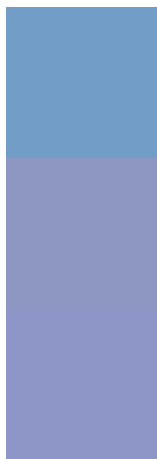


This preview shows how white text looks on a background with the Yxy color 31.7686, 0.2453, 0.2670.

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

31.7686, 0.2453, 0.2670

Protanopia

31.7343, 0.2688, 0.2678

Deuteranopia

31.7336, 0.2635, 0.2574



Tritanopia

31.6715, 0.2571, 0.3078

Trichromacy



Original Color

31.7686, 0.2453, 0.2670

Protanomaly

31.6281, 0.2596, 0.2669

Deuteranomaly

31.8115, 0.2568, 0.2617

Tritanomaly

31.8755, 0.2529, 0.2926

Monochromacy



Original Color

31.7686, 0.2453, 0.2670

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

30.4807, 0.2842, 0.3055

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.7686, 0.2453, 0.2670 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(114, 157, 198)` looks like.

```
.text, #text, p{  
    color:rgb(114, 157, 198)  
}
```

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(114, 157, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 157, 198) }
```

Border

The CSS property to change the border of an element to Yxy 31.7686, 0.2453, 0.2670 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(114, 157, 198) }
```

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

```
.border{ border-color:rgb(114, 157, 198) }
```

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

Here you see how a box with a 4 pixel rgb(114, 157, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 157, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 157, 198);  
box-shadow:4px 4px 4px 4px rgb(114, 157,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 31.7686, 0.2453, 0.2670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 157, 198) }
```

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

```
.background{ background-color: rgb(114,  
157, 198) }
```

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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