

Converting Colors

$Y_{xy}(31.4779, 0.2445, 0.2641)$

Have a look what the booklet for
Yxy(31.4779, 0.2445, 0.2641)
contains.

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Color

Yxy(31.4779, 0.2445, 0.2641)

Conversions

Conversions Part 1

Format	Color
Hex	729CC7
RGB	114, 156, 199
RGB Percent	45%, 61%, 78%
CMY	0.5527, 0.3883, 0.2196
CMYK	0.43, 0.22, 0.00, 0.22
HSL	210°, 43%, 61%
HSV	210°, 43%, 78%
XYZ	29.1418, 31.4779, 58.5696
YIQ	148.3440, -38.8350, 4.4690

Conversions

Conversions Part 2

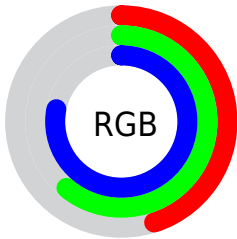
Format	Color
RYB	114, 142, 199
Decimal	7511239
CIELab	62.91, -2.97, -26.61
CIELCh	63, 26.770, 263.630
Yxy	31.4779, 0.2445, 0.2641
Android (android.graphics.Color)	4285701319 (0xFF729CC7)
YUV	148.3440, 24.9734, -30.1197
Hunter-Lab	56.1052, -5.4687, -22.6207

Details

The Yxy color **31.4779, 0.2445, 0.2641** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **37.4938, 0.3974, 0.3854**, and the grayscale version is **29.6767, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.7482, 0.2580, 0.2773**, and **13.1081, 0.2235, 0.2436** is the 20% darker color. If you saturate the color by 10%, you get **27.0436, 0.2288, 0.2455**, and if you desaturate by 10%, it is **36.4854, 0.2607, 0.2816**.

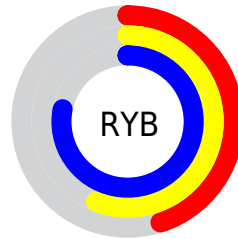
Distribution



Red (45%)

Green (61%)

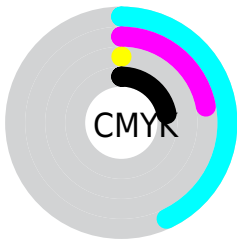
Blue (78%)



Red (45%)

Yellow (56%)

Blue (78%)

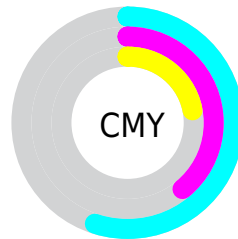


Cyan (43%)

Magenta (22%)

Yellow (0%)

Black (22%)



Cyan (55%)

Magenta (39%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.4779, 0.2445, 0.2641 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 31.4779, 0.2445, 0.2641 by changing the saturation by 10% instead.

■ 31.4779, 0.2445,
0.2641

■ 31.4779, 0.2445,
0.2641

■ 308.7340, 0.2799,
0.2981

■ 20.9630, 0.2354,
0.2552

■ 61.9917, 0.2576,
0.2768

■ 13.0970, 0.2235,
0.2436

■ 82.7594, 0.2625,
0.2815

■ 7.4954, 0.2075,
0.2278

■ 107.7135, 0.2666,
0.2854

■ 3.7738, 0.1851,
0.2055

■ 137.2385, 0.2700,
0.2887

■ 1.5478, 0.1521,
0.1720

■ 171.7186, 0.2730,
0.2916

■ 0.3220, 0.0691,
0.0953

■ 211.5383, 0.2756,

■ 0.0000, 0.0000,

0.2940

0.0000

257.0819, 0.2779,
0.2962

■ 31.4779, 0.2445,
0.2641

■ 31.4779, 0.2445,
0.2641

■ 27.0436, 0.2288,
0.2455

■ 36.4854, 0.2607,
0.2816

■ 23.1532, 0.2141,
0.2260

■ 42.0864, 0.2771,
0.2978

■ 19.7795, 0.2011,
0.2063

■ 48.3044, 0.2931,
0.3125

■ 16.8908, 0.1900,
0.1867

■ 55.1603, 0.3087,
0.3257

■ 14.4501, 0.1814,
0.1679

■ 62.6739, 0.3235,
0.3375

■ 12.9039, 0.1764,
0.1548

■ 70.8643, 0.3374,
0.3479

■ 79.7495, 0.3505,
0.3571

■ 85.7180, 0.3497,
0.3668

■ 91.7040, 0.3476,
0.3763

Harmonies

Analogous

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



31.4779, 0.2342, 0.2844



31.4779, 0.2445, 0.2641



31.4779, 0.2722, 0.2609

Triad

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



31.4779, 0.2445, 0.2641



31.4779, 0.3875, 0.3309



31.4779, 0.3085, 0.3950

Complementary

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



31.4779, 0.2445, 0.2641



37.4938, 0.3974, 0.3854

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.



31.4779, 0.3505, 0.4060



31.4779, 0.2445, 0.2641



31.4779, 0.3979, 0.3651

Square

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



31.4779, 0.2445, 0.2641



31.4779, 0.3553, 0.2982



31.4779, 0.3837, 0.3933



31.4779, 0.2694, 0.3619

Rectangle

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



31.4779, 0.2445, 0.2641



31.4779, 0.2980, 0.2676



31.4779, 0.3837, 0.3933



31.4779, 0.3228, 0.4015

Sweetspot

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



31.4791, 0.2445, 0.2641



84.0006, 0.2923, 0.3118



46.8447, 0.2803, 0.3929



17.4399, 0.2888, 0.3086



0.0000, 0.0000, 0.0000



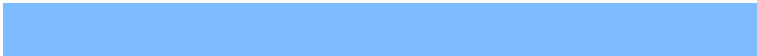
21.4041, 0.3127, 0.3290

Same Dimension

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



31.4791, 0.2445, 0.2641



48.0375, 0.2302, 0.2472



19.7533, 0.2336, 0.1982



11.1378, 0.2983, 0.3170



8.4725, 0.1770, 0.1572



0.5461, 0.1877, 0.1955

Inverse Universe

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



26.5900, 0.3672, 0.2745



39.5954, 0.3846, 0.2636



54.2028, 0.3757, 0.4331



10.7228, 0.3214, 0.3176



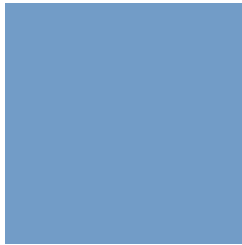
8.3953, 0.4966, 0.2509



0.4121, 0.4504, 0.2255

Previews

White Background



This preview shows how the Yxy color 31.4779, 0.2445, 0.2641 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 31.4779, 0.2445, 0.2641 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

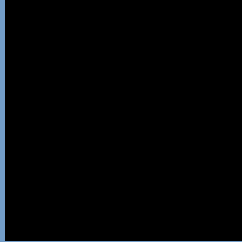
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

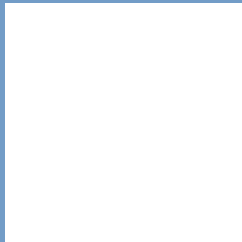
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 31.4779, 0.2445, 0.2641

Background



This preview shows how black text looks on a background with the Yxy color 31.4779, 0.2445, 0.2641.

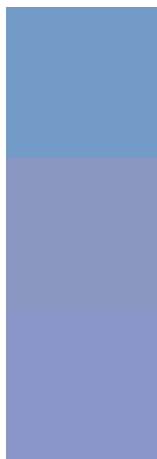


This preview shows how white text looks on a background with the Yxy color 31.4779, 0.2445, 0.2641.

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

31.4779, 0.2445, 0.2641

Protanopia

31.3283, 0.2655, 0.2635

Deuteranopia

31.2405, 0.2617, 0.2556



Tritanopia

31.6327, 0.2577, 0.3094

Trichromacy



Original Color

31.4779, 0.2445, 0.2641

Protanomaly

31.2673, 0.2579, 0.2639

Deuteranomaly

31.4519, 0.2552, 0.2588

Tritanomaly

31.4887, 0.2533, 0.2925

Monochromacy



Original Color

31.4779, 0.2445, 0.2641

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

30.1575, 0.2841, 0.3039

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.4779, 0.2445, 0.2641 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, 156, 199)` looks like.

```
.text, #text, p{  
    color:rgb(114, 156, 199)  
}
```

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, 156, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 156, 199) }
```

Border

The CSS property to change the border of an element to Yxy 31.4779, 0.2445, 0.2641 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, 156, 199) }
```

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

```
.border{ border-color:rgb(114, 156, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 156, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 156, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 156, 199);  
box-shadow:4px 4px 4px 4px rgb(114, 156,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 31.4779, 0.2445, 0.2641 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 156, 199) }
```

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

```
.background{ background-color: rgb(114,  
156, 199) }
```

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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