

Converting Colors

$Y_{xy}(27.7191, 0.2450, 0.2495)$

Have a look what the booklet for
Yxy(27.7191, 0.2450, 0.2495)
contains.

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Color

Yxy(27.6450, 0.2447, 0.2492)

Conversions

Conversions Part 1

Format	Color
Hex	7490C4
RGB	116, 144, 196
RGB Percent	45%, 56%, 77%
CMY	0.5449, 0.4353, 0.2313
CMYK	0.41, 0.27, 0.00, 0.23
HSL	219°, 40%, 61%
HSV	219°, 41%, 77%
XYZ	27.1458, 27.6450, 56.1442
YIQ	141.5560, -33.3800, 10.2360

Conversions

Conversions Part 2

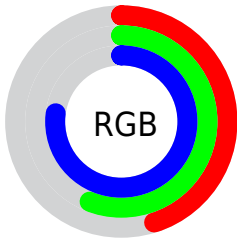
Format	Color
R_{YB}	116, 137, 196
Decimal	7639236
CIE Lab	59.57, 3.56, -30.09
CIE LCh	60, 30.300, 276.740
Yxy	27.6450, 0.2447, 0.2492
Android (android.graphics.Color)	4285829316 (0xFF7490C4)
YUV	141.5560, 26.8409, -22.4126
Hunter-Lab	52.5785, 0.1455, -26.5059

Details

The Yxy color **27.6450, 0.2447, 0.2492** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **41.0361, 0.3866, 0.3971**, and the grayscale version is **26.7718, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.1379, 0.2584, 0.2651**, and **11.0152, 0.2228, 0.2244** is the 20% darker color. If you saturate the color by 10%, you get **22.7935, 0.2271, 0.2252**, and if you desaturate by 10%, it is **33.2185, 0.2624, 0.2717**.

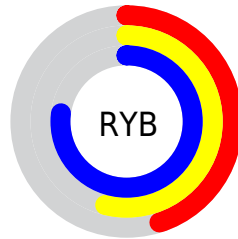
Distribution



Red (45%)

Green (56%)

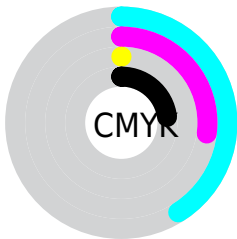
Blue (77%)



Red (45%)

Yellow (54%)

Blue (77%)

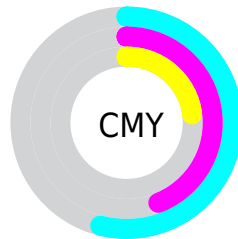


Cyan (41%)

Magenta (27%)

Yellow (0%)

Black (23%)



Cyan (54%)

Magenta (44%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.6450, 0.2447, 0.2492 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 27.6450, 0.2447, 0.2492 by changing the saturation by 10% instead.

■ 27.6450, 0.2447,
0.2492

■ 27.6450, 0.2447,
0.2492

■ 290.7667, 0.2808,
0.2911

■ 18.0582, 0.2351,
0.2383

■ 55.9172, 0.2583,
0.2648

■ 10.9918, 0.2225,
0.2240

■ 75.3713, 0.2632,
0.2706

■ 6.0613, 0.2054,
0.2048

■ 98.8835, 0.2674,
0.2754

■ 2.8824, 0.1810,
0.1778

■ 126.8379, 0.2709,
0.2795

■ 1.0707, 0.1446,
0.1383

■ 159.6190, 0.2739,
0.2830

■ 0.0000, 0.0161,
0.0000

■ 197.6113, 0.2765,

■ 0.0000, 0.0000,

0.2860

0.0000

241.1990, 0.2788,
0.2887

■ 27.6450, 0.2447,
0.2492

■ 27.6450, 0.2447,
0.2492

■ 22.7935, 0.2271,
0.2252

■ 33.2185, 0.2624,
0.2717

■ 18.6285, 0.2103,
0.2003

■ 39.5410, 0.2796,
0.2924

■ 15.1158, 0.1949,
0.1754

■ 46.6419, 0.2961,
0.3111

■ 12.2162, 0.1817,
0.1514

■ 54.5481, 0.3115,
0.3278

■ 9.8854, 0.1714,
0.1293

■ 63.2848, 0.3259,
0.3425

■ 8.1804, 0.1643,
0.1114

■ 72.8764, 0.3390,
0.3554

■ 83.3461, 0.3511,
0.3668

■ 91.1690, 0.3496,
0.3787

■ 96.7667, 0.3478,
0.3870

Harmonies

Analogous

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



27.6450, 0.2238, 0.2634



27.6450, 0.2447, 0.2492



27.6450, 0.2841, 0.2541

Triad

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



27.6450, 0.2447, 0.2492



27.6450, 0.4103, 0.3480



27.6450, 0.2859, 0.3933

Complementary

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



27.6450, 0.2447, 0.2492



41.0361, 0.3866, 0.3971

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.



27.6450, 0.3354, 0.4189



27.6450, 0.2447, 0.2492



27.6450, 0.4092, 0.3863

Square

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



27.6450, 0.2447, 0.2492



27.6450, 0.3823, 0.3085



27.6450, 0.3808, 0.4141



27.6450, 0.2458, 0.3459

Rectangle

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



27.6450, 0.2447, 0.2492



27.6450, 0.3173, 0.2666



27.6450, 0.3808, 0.4141



27.6450, 0.3020, 0.4051

Sweetspot

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



27.6460, 0.2447, 0.2492



82.6003, 0.2938, 0.3086



46.0355, 0.2739, 0.3706



17.3026, 0.2917, 0.3062



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.



27.6460, 0.2447, 0.2492



42.1286, 0.2289, 0.2277



21.0803, 0.2483, 0.2083



10.3108, 0.2984, 0.3136



5.4018, 0.1650, 0.1139



0.3636, 0.1779, 0.1605

Inverse Universe

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



26.2536, 0.3785, 0.2918



40.2831, 0.4009, 0.2841



50.9469, 0.3624, 0.4327



10.1347, 0.3235, 0.3210



7.8275, 0.5553, 0.2833



0.3513, 0.4925, 0.2487

Previews

White Background



This preview shows how the Yxy color 27.6450, 0.2447, 0.2492 looks on a white background.

Color Contrast Check

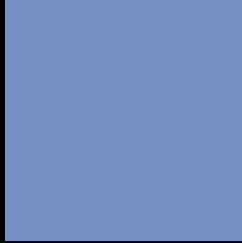
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.6450, 0.2447, 0.2492 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

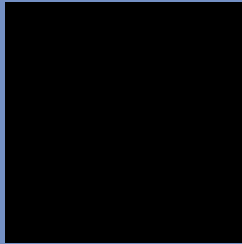
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

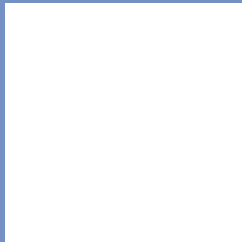
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 27.6450, 0.2447, 0.2492

Background



This preview shows how black text looks on a background with the Yxy color 27.6450, 0.2447, 0.2492.

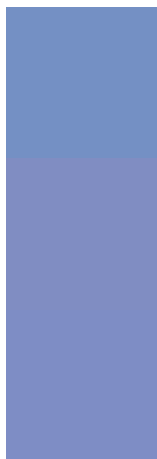


This preview shows how white text looks on a background with the Yxy color 27.6450, 0.2447, 0.2492.

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

27.6450, 0.2447, 0.2492

Protanopia

27.5340, 0.2547, 0.2490

Deuteranopia

27.5166, 0.2510, 0.2449



Tritanopia

27.5471, 0.2631, 0.3085

Trichromacy



Original Color

27.6450, 0.2447, 0.2492

Protanomaly

27.5712, 0.2510, 0.2486

Deuteranomaly

27.5148, 0.2481, 0.2458

Tritanomaly

27.5508, 0.2561, 0.2862

Monochromacy



Original Color

27.6450, 0.2447, 0.2492

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

27.2401, 0.2849, 0.2983

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.6450, 0.2447, 0.2492 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(116, 144, 196)` looks like.

```
.text, #text, p{  
    color:rgb(116, 144, 196)  
}
```

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(116, 144, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 144, 196) }
```

Border

The CSS property to change the border of an element to Yxy 27.6450, 0.2447, 0.2492 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(116, 144, 196) }
```

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

```
.border{ border-color:rgb(116, 144, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 144, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 144, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 144, 196);  
box-shadow:4px 4px 4px 4px rgb(116, 144,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 27.6450, 0.2447, 0.2492 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 144, 196) }
```

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

```
.background{ background-color: rgb(116,  
144, 196) }
```

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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