

Converting Colors

Yxy(26.9089, 0.2434, 0.2421)

Have a look what the booklet for
Yxy(26.9089, 0.2434, 0.2421)
contains.

Yxy(26.9089, 0.2434, 0.2421)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(26.9089, 0.2434, 0.2421)

Conversions

Conversions Part 1	
Format	Color
Hex	758DC6
RGB	117, 141, 198
RGB Percent	46%, 55%, 78%
CMY	0.5411, 0.4470, 0.2236
CMYK	0.41, 0.29, 0.00, 0.22
HSL	222°, 42%, 62%
HSV	222°, 41%, 78%
XYZ	27.0534, 26.9089, 57.1856
YIQ	140.3220, -32.6010, 12.6390

Conversions

Conversions Part 2

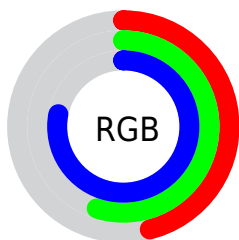
Format	Color
RYB	117, 136, 198
Decimal	7704006
CIELab	58.89, 6.10, -32.24
CIELCh	59, 32.815, 280.712
Yxy	26.9089, 0.2434, 0.2421
Android (android.graphics.Color)	4285894086 (0xFF758DC6)
YUV	140.3220, 28.4353, -20.4534
Hunter-Lab	51.8738, 2.3128, -29.0495

Details

The Yxy color **26.9089, 0.2434, 0.2421** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **43.5581, 0.3846, 0.4024**, and the grayscale version is **26.2551, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.5742, 0.2574, 0.2584**, and **10.5858, 0.2207, 0.2146** is the 20% darker color. If you saturate the color by 10%, you get **21.8267, 0.2252, 0.2161**, and if you desaturate by 10%, it is **32.8001, 0.2616, 0.2666**.

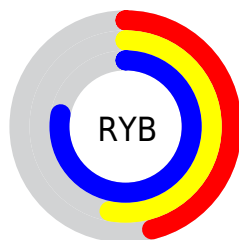
Distribution



Red (46%)

Green (55%)

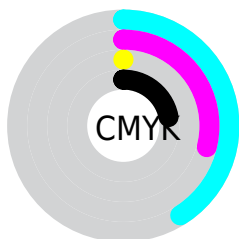
Blue (78%)



Red (46%)

Yellow (53%)

Blue (78%)

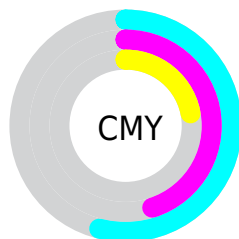


Cyan (41%)

Magenta (29%)

Yellow (0%)

Black (22%)



Cyan (54%)


Magenta (45%)


Yellow (22%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 26.9089, 0.2434, 0.2421 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 26.9089, 0.2434, 0.2421 by changing the saturation by 10% instead.


 26.9089, 0.2434,
0.2421


 26.9089, 0.2434,
0.2421

 287.2158, 0.2804,
0.2875


 17.5048, 0.2336,
0.2303


 54.7376, 0.2573,
0.2590


 10.5951, 0.2206,
0.2151


 73.9311, 0.2624,
0.2652

 5.7953, 0.2030,
0.1946


 97.1565, 0.2667,
0.2704

 2.7210, 0.1780,
0.1662

 124.7981, 0.2702,
0.2749

 0.9879, 0.1408,
0.1255

 157.2405, 0.2733,
0.2787

 0.0000, 0.0120,
0.0000

 194.8680, 0.2760,

 0.0000, 0.0000,

0.2820

0.0000

238.0649, 0.2783,
0.2849

■ 26.9089, 0.2434,
0.2421

■ 26.9089, 0.2434,
0.2421

■ 21.8267, 0.2252,
0.2161

■ 32.8001, 0.2616,
0.2666

■ 17.5128, 0.2076,
0.1893

■ 39.5321, 0.2792,
0.2891

■ 13.9274, 0.1916,
0.1628


■ 47.1388, 0.2959,
0.3094

■ 11.0253, 0.1780,
0.1377

■ 55.6511, 0.3114,
0.3275


■ 8.7554, 0.1675,
0.1153

■ 65.0984, 0.3256,
0.3434

 7.1700, 0.1606,
0.0981

 75.5087, 0.3386,
0.3574

 86.7947, 0.3499,
0.3697

 95.2481, 0.3471,
0.3827

 96.8566, 0.3466,
0.3850

Harmonies

Analogous

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



26.9089, 0.2181, 0.2542



26.9089, 0.2434, 0.2421



26.9089, 0.2881, 0.2500

Triad

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



26.9089, 0.2434, 0.2421



26.9089, 0.4212, 0.3546



26.9089, 0.2766, 0.3938

Complementary

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



26.9089, 0.2434, 0.2421



43.5581, 0.3846, 0.4024

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.



26.9089, 0.3297, 0.4261



26.9089, 0.2434, 0.2421



26.9089, 0.4152, 0.3956

Square

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



26.9089, 0.2434, 0.2421



26.9089, 0.3944, 0.3119



26.9089, 0.3807, 0.4242



26.9089, 0.2355, 0.3397

Rectangle

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



26.9089, 0.2434, 0.2421



26.9089, 0.3250, 0.2650



26.9089, 0.3807, 0.4242



26.9089, 0.2936, 0.4081

Sweetspot

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



26.9099, 0.2434, 0.2421



81.6737, 0.2938, 0.3069



47.2087, 0.2714, 0.3646



17.0855, 0.2916, 0.3043



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.



26.9099, 0.2434, 0.2421



39.6337, 0.2273, 0.2192



21.8048, 0.2518, 0.2090



10.7912, 0.2983, 0.3123



4.7946, 0.1612, 0.1004



0.3553, 0.1732, 0.1436

Inverse Universe

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



26.6521, 0.3844, 0.2973



40.0313, 0.4085, 0.2909



51.5864, 0.3590, 0.4343



10.6878, 0.3244, 0.3222



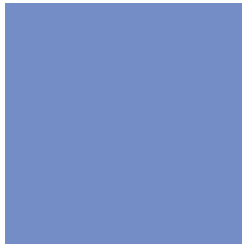
8.0240, 0.5753, 0.2943



0.3929, 0.5144, 0.2607

Previews

White Background



This preview shows how the Yxy color 26.9089, 0.2434, 0.2421 looks on a white background.

Color Contrast Check

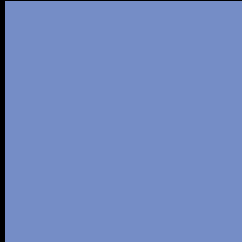
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.9089, 0.2434, 0.2421 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

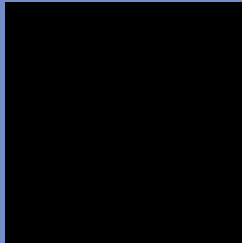
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

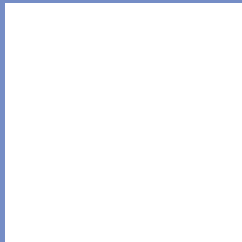
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 26.9089, 0.2434, 0.2421

Background



This preview shows how black text looks on a background with the Yxy color 26.9089, 0.2434, 0.2421.



This preview shows how white text looks on a background with the Yxy color 26.9089, 0.2434, 0.2421.

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

26.9089, 0.2434, 0.2421

Protanopia

26.7815, 0.2490, 0.2414

Deuteranopia

26.9710, 0.2470, 0.2414



Tritanopia

26.8437, 0.2641, 0.3083

Trichromacy



Original Color
26.9089, 0.2434, 0.2421

Protanomaly
26.8523, 0.2469, 0.2424

Deuteranomaly
26.8265, 0.2454, 0.2410

Tritanomaly
26.6863, 0.2562, 0.2811

Monochromacy



Original Color
26.9089, 0.2434, 0.2421

Achromatopsia
26.2251, 0.3127, 0.3290

Achromatomaly
26.2349, 0.2845, 0.2947

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.9089, 0.2434, 0.2421 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(117, 141, 198)` looks like.

```
.text, #text, p{  
    color:rgb(117, 141, 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(117, 141, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 141, 198) }
```

Border

The CSS property to change the border of an element to Yxy 26.9089, 0.2434, 0.2421 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(117, 141, 198) }
```

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

```
.border{ border-color:rgb(117, 141, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 141, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 141, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 141, 198);  
box-shadow:4px 4px 4px 4px rgb(117, 141,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 26.9089, 0.2434, 0.2421 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 141, 198) }
```

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

```
.background{ background-color: rgb(117,  
141, 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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor