

Converting Colors

$Y_{xy}(21.2154, 0.2627, 0.2471)$

Have a look what the booklet for
Yxy(21.2154, 0.2627, 0.2471)
contains.

Yxy(21.2821, 0.2629, 0.2481)	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(21.2821, 0.2629, 0.2481)

Conversions

Conversions Part 1

Format	Color
Hex	7A7BAC
RGB	122, 123, 172
RGB Percent	48%, 48%, 67%
CMY	0.5217, 0.5176, 0.3255
CMYK	0.29, 0.28, 0.00, 0.33
HSL	239°, 23%, 58%
HSV	239°, 29%, 67%
XYZ	22.5516, 21.2821, 41.9466
YIQ	128.2870, -16.3250, 15.0270

Conversions

Conversions Part 2

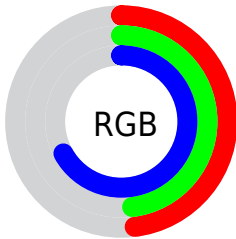
Format	Color
R_{YB}	122, 123, 172
Decimal	8027052
CIE _{Lab}	53.26, 11.02, -26.12
CIE _{LCh}	53, 28.347, 292.874
Yxy	21.2821, 0.2629, 0.2481
Android (android.graphics.Color)	4286217132 (0xFF7A7BAC)
YUV	128.2870, 21.5505, -5.5137
Hunter-Lab	46.1325, 6.5269, -21.6174

Details

The Yxy color **21.2821, 0.2629, 0.2481** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **39.2826, 0.3561, 0.3988**, and the grayscale version is **21.6182, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.3753, 0.2732, 0.2637**, and **7.6072, 0.2447, 0.2203** is the 20% darker color. If you saturate the color by 10%, you get **16.3113, 0.2425, 0.2148**, and if you desaturate by 10%, it is **27.1955, 0.2818, 0.2789**.

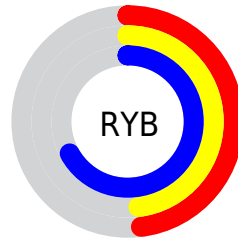
Distribution



Red (48%)

Green (48%)

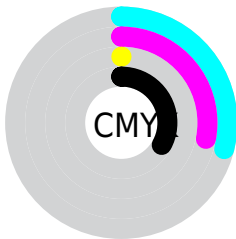
Blue (67%)



Red (48%)

Yellow (48%)

Blue (67%)

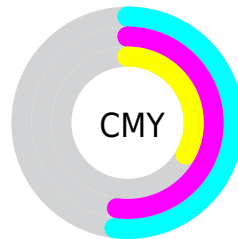


Cyan (29%)

Magenta (28%)

Yellow (0%)

Black (33%)



Cyan (52%)

Magenta (52%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.2821, 0.2629, 0.2481 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 21.2821, 0.2629, 0.2481 by changing the saturation by 10% instead.

■ 21.2821, 0.2629,
0.2481

■ 21.2821, 0.2629,
0.2481

258.7739, 0.2909,
0.2918

■ 13.3304, 0.2548,
0.2362

■ 45.5566, 0.2739,
0.2648

■ 7.6564, 0.2437,
0.2202

■ 62.6481, 0.2778,
0.2708

■ 3.8759, 0.2276,
0.1981

■ 83.5550, 0.2809,
0.2758

■ 1.6044, 0.2027,
0.1659

108.6616, 0.2836,
0.2800

■ 0.3606, 0.1604,
0.0946

138.3525, 0.2859,
0.2836

■ 0.0000, 0.0000,
0.0000

173.0119, 0.2878,

0.2867

213.0242, 0.2895,
0.2894

■ 21.2821, 0.2629,
0.2481

■ 21.2821, 0.2629,
0.2481

■ 16.3113, 0.2425,
0.2148

■ 27.1955, 0.2818,
0.2789

■ 12.2322, 0.2215,
0.1803

■ 34.0941, 0.2989,
0.3066

■ 8.9927, 0.2009,
0.1463

■ 42.0207, 0.3140,
0.3311

■ 6.5344, 0.1823,
0.1154

■ 51.0152, 0.3272,
0.3524

■ 4.7914, 0.1672,
0.0901

■ 61.1149, 0.3387,
0.3708

■ 3.6871, 0.1568,
0.0723

■ 72.3558, 0.3485,
0.3867

■ 3.0998, 0.1509,
0.0622

■ 84.7720, 0.3570,
0.4003

■ 3.0563, 0.1504,
0.0614

■ 95.7584, 0.3620,
0.4105

Harmonies

Analogous

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



21.2821, 0.2310, 0.2518



21.2821, 0.2629, 0.2481



21.2821, 0.3105, 0.2624

Triad

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



21.2821, 0.2629, 0.2481



21.2821, 0.4155, 0.3699



21.2821, 0.2614, 0.3701

Complementary

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



21.2821, 0.2629, 0.2481



39.2826, 0.3561, 0.3988

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.



21.2821, 0.3082, 0.4106



21.2821, 0.2629, 0.2481



21.2821, 0.3984, 0.4047

Square

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



21.2821, 0.2629, 0.2481



21.2821, 0.4025, 0.3293



21.2821, 0.3585, 0.4222



21.2821, 0.2299, 0.3184

Rectangle

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



21.2821, 0.2629, 0.2481



21.2821, 0.3458, 0.2804



21.2821, 0.3585, 0.4222



21.2821, 0.2758, 0.3860

Sweetspot

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



21.2829, 0.2629, 0.2481



61.7533, 0.2988, 0.3064



36.5536, 0.2726, 0.3315



13.0120, 0.2965, 0.3027



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



21.2829, 0.2629, 0.2481



32.5243, 0.2497, 0.2265



22.9385, 0.2867, 0.2517



7.7830, 0.2985, 0.3061



2.2846, 0.1505, 0.0617



0.0720, 0.1525, 0.0690

Inverse Universe

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



24.1123, 0.3742, 0.3276



38.5482, 0.3942, 0.3273



37.2646, 0.3331, 0.4058



8.0180, 0.3283, 0.3286



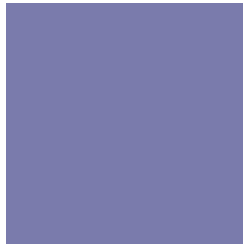
6.5337, 0.6373, 0.3284



0.1826, 0.6250, 0.3217

Previews

White Background



This preview shows how the Yxy color 21.2821, 0.2629, 0.2481 looks on a white background.

Color Contrast Check

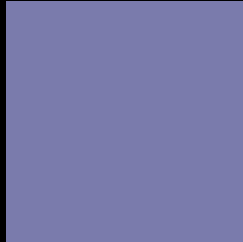
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.2821, 0.2629, 0.2481 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

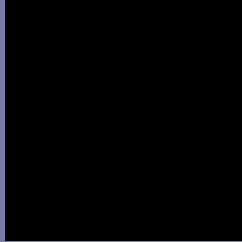
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.2821, 0.2629, 0.2481

Background



This preview shows how black text looks on a background with the Yxy color 21.2821, 0.2629, 0.2481.



This preview shows how white text looks on a background with the Yxy color 21.2821, 0.2629, 0.2481.

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

21.2821, 0.2629, 0.2481

Protanopia

21.2339, 0.2533, 0.2469

Deuteranopia

21.2906, 0.2567, 0.2501



Tritanopia

21.2094, 0.2868, 0.3106

Trichromacy



Original Color

21.2821, 0.2629, 0.2481

Protanomaly

21.1454, 0.2566, 0.2471

Deuteranomaly

21.2454, 0.2593, 0.2490

Tritanomaly

21.2647, 0.2782, 0.2866

Monochromacy



Original Color

21.2821, 0.2629, 0.2481

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

21.3709, 0.2936, 0.2974

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.2821, 0.2629, 0.2481 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(122, 123, 172)` looks like.

```
.text, #text, p{  
    color:rgb(122, 123, 172)  
}
```

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(122, 123, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 123, 172) }
```

Border

The CSS property to change the border of an element to Yxy 21.2821, 0.2629, 0.2481 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(122, 123, 172) }
```

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

```
.border{ border-color:rgb(122, 123, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 123, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 123, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 123, 172);  
box-shadow:4px 4px 4px 4px rgb(122, 123,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 21.2821, 0.2629, 0.2481 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 123, 172) }
```

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

```
.background{ background-color: rgb(122,  
123, 172) }
```

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