

Converting Colors

$Y_{xy}(21.0870, 0.2881, 0.2645)$

Have a look what the booklet for
Yxy(21.0870, 0.2881, 0.2645)
contains.

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Color

Yxy(21.0870, 0.2881, 0.2645)

Conversions

Conversions Part 1

Format	Color
Hex	87789F
RGB	135, 120, 159
RGB Percent	53%, 47%, 62%
CMY	0.4705, 0.5294, 0.3764
CMYK	0.15, 0.25, 0.00, 0.38
HSL	263°, 17%, 55%
HSV	263°, 25%, 62%
XYZ	22.9685, 21.0870, 35.6685
YIQ	128.9310, -3.5790, 15.3090

Conversions

Conversions Part 2

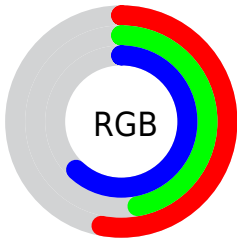
Format	Color
R_{YB}	135, 120, 159
Decimal	8878239
CIE _{Lab}	53.04, 13.83, -18.83
CIE _{LCh}	53, 23.361, 306.298
Yxy	21.0870, 0.2881, 0.2645
Android (android.graphics.Color)	4287068319 (0xFF87789F)
YUV	128.9310, 14.8240, 5.3225
Hunter-Lab	45.9206, 8.9208, -13.9087

Details

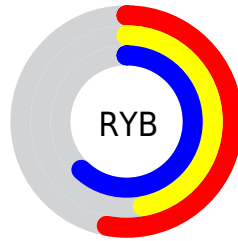
The Yxy color $21.0870, 0.2881, 0.2645$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $32.0883, 0.3332, 0.3918$, and the grayscale version is $21.8767, 0.3127, 0.3290$.

A 20% lighter version of the original color is $45.1789, 0.2940, 0.2774$, and $7.4993, 0.2787, 0.2415$ is the 20% darker color. If you saturate the color by 10%, you get $16.8008, 0.2756, 0.2349$, and if you desaturate by 10%, it is $26.0848, 0.2992, 0.2924$.

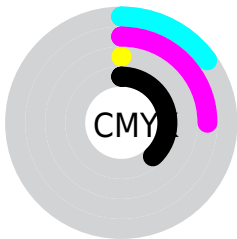
Distribution



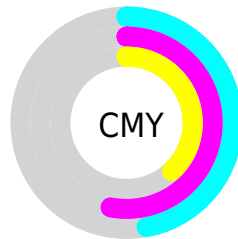
- Red (53%)
- Green (47%)
- Blue (62%)



- Red (53%)
- Yellow (47%)
- Blue (62%)



- Cyan (15%)
- Magenta (25%)
- Yellow (0%)
- Black (38%)



- Cyan (47%)
- Magenta (53%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.0870, 0.2881, 0.2645 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 21.0870, 0.2881, 0.2645 by changing the saturation by 10% instead.

■ 21.0870, 0.2881,
0.2645

■ 21.0870, 0.2881,
0.2645

257.7405, 0.3023,
0.2996

■ 13.1876, 0.2838,
0.2547

■ 45.2323, 0.2938,
0.2780

■ 7.5579, 0.2777,
0.2416

■ 62.2470, 0.2958,
0.2828

■ 3.8134, 0.2685,
0.2229

■ 83.0689, 0.2974,
0.2868

■ 1.5697, 0.2533,
0.1946

108.0824, 0.2987,
0.2902

■ 0.3371, 0.2291,
0.1174

137.6719, 0.2998,
0.2930

■ 0.0000, 0.0000,
0.0000

172.2218, 0.3008,

0.2955

212.1166, 0.3016,
0.2977

■ 21.0870, 0.2881,
0.2645

■ 21.0870, 0.2881,
0.2645

■ 16.8008, 0.2756,
0.2349

■ 26.0848, 0.2992,
0.2924

■ 13.1901, 0.2617,
0.2043

■ 31.8225, 0.3088,
0.3181

■ 10.2198, 0.2469,
0.1740

■ 38.3304, 0.3171,
0.3415

■ 7.8503, 0.2315,
0.1453

■ 45.6359, 0.3241,
0.3625

■ 6.0374, 0.2162,
0.1200

■ 53.7655, 0.3300,
0.3812

■ 4.7308, 0.2020,
0.0995

■ 62.7439, 0.3350,
0.3978

■ 3.8690, 0.1894,
0.0848

■ 72.5953, 0.3392,
0.4126

■ 3.5018, 0.1831,
0.0783

■ 83.3427, 0.3427,
0.4256

■ 89.7216, 0.3476,
0.4303

Harmonies

Analogous

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



21.0870, 0.2544, 0.2609



21.0870, 0.2881, 0.2645



21.0870, 0.3308, 0.2827

Triad

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



21.0870, 0.2881, 0.2645



21.0870, 0.3945, 0.3782



21.0870, 0.2564, 0.3442

Complementary

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



21.0870, 0.2881, 0.2645



32.0883, 0.3332, 0.3918

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.



21.0870, 0.2911, 0.3830



21.0870, 0.2881, 0.2645



21.0870, 0.3713, 0.4010

Square

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



21.0870, 0.2881, 0.2645



21.0870, 0.3948, 0.3455



21.0870, 0.3331, 0.4043



21.0870, 0.2371, 0.3035

Rectangle

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



21.0870, 0.2881, 0.2645



21.0870, 0.3587, 0.3010



21.0870, 0.3331, 0.4043



21.0870, 0.2665, 0.3582

Sweetspot

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



21.0879, 0.2881, 0.2645



54.1814, 0.3064, 0.3117



26.4614, 0.2754, 0.3038



12.0859, 0.3059, 0.3103



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



21.0879, 0.2881, 0.2645



33.7543, 0.2820, 0.2498



22.8519, 0.3102, 0.2686



6.5534, 0.3045, 0.3063



2.7878, 0.1840, 0.0787



0.0733, 0.2301, 0.1041

Inverse Universe

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



22.8188, 0.3328, 0.2915



37.3994, 0.3380, 0.2835



30.4847, 0.3139, 0.3957



6.7113, 0.3193, 0.3153



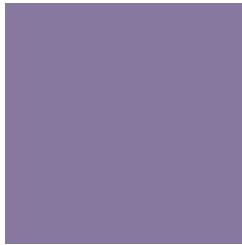
6.5240, 0.4447, 0.2223



0.1247, 0.3845, 0.1892

Previews

White Background



This preview shows how the Yxy color 21.0870, 0.2881, 0.2645 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 21.0870, 0.2881, 0.2645 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

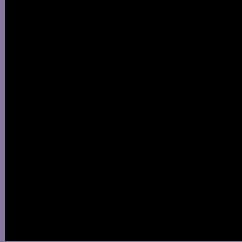
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.0870, 0.2881, 0.2645

Background



This preview shows how black text looks on a background with the Yxy color 21.0870, 0.2881, 0.2645.



This preview shows how white text looks on a background with the Yxy color 21.0870, 0.2881, 0.2645.

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

21.0870, 0.2881, 0.2645

Protanopia

21.0935, 0.2661, 0.2638

Deuteranopia

21.0949, 0.2765, 0.2707



Tritanopia

21.2138, 0.3099, 0.3131

Trichromacy



Original Color

21.0870, 0.2881, 0.2645

Protanomaly

21.0596, 0.2737, 0.2630

Deuteranomaly

21.1466, 0.2806, 0.2696

Tritanomaly

21.0546, 0.3014, 0.2944

Monochromacy



Original Color

21.0870, 0.2881, 0.2645

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

21.6405, 0.3034, 0.3046

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.0870, 0.2881, 0.2645 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(135, 120, 159)` looks like.

```
.text, #text, p{  
    color:rgb(135, 120, 159)  
}
```

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(135, 120, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 120, 159) }
```

Border

The CSS property to change the border of an element to Yxy 21.0870, 0.2881, 0.2645 is called "border". The border property can be set on classes, ids or directly on the HTML element.

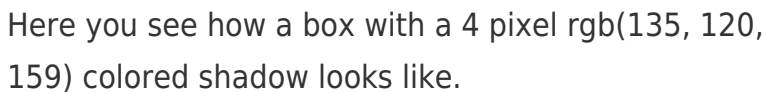
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(135, 120, 159) }
```

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

```
.border{ border-color:rgb(135, 120, 159) }
```

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



Here you see how a box with a 4 pixel `rgb(135, 120, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(135, 120, 159); -webkit-box-shadow:4px 4px 4px 4px rgb(135, 120, 159); box-shadow:4px 4px 4px 4px rgb(135, 120, 159) }
```


Background

The CSS property to change the background color of an element to Yxy 21.0870, 0.2881, 0.2645 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 120, 159) }
```

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

```
.background{ background-color: rgb(135,  
120, 159) }
```

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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