

Converting Colors

$Y_{xy}(21.8891, 0.2634, 0.3432)$

Have a look what the booklet for
Yxy(21.8891, 0.2634, 0.3432)
contains.

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Color

Yxy(21.8805, 0.2630, 0.3427)

Conversions

Conversions Part 1

Format	Color
Hex	518B84
RGB	81, 139, 132
RGB Percent	32%, 55%, 52%
CMY	0.6823, 0.4549, 0.4823
CMYK	0.42, 0.00, 0.05, 0.45
HSL	173°, 26%, 43%
HSV	173°, 42%, 55%
XYZ	16.7919, 21.8805, 25.1750
YIQ	120.8600, -32.3210, -14.4730

Conversions

Conversions Part 2

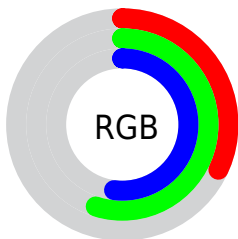
Format	Color
R_{YB}	81, 112, 139
Decimal	5344132
CIE _{Lab}	53.90, -20.73, -2.24
CIE _{LCh}	54, 20.855, 186.155
Yxy	21.8805, 0.2630, 0.3427
Android (android.graphics.Color)	4283534212 (0xFF518B84)
YUV	120.8600, 5.4920, -34.9572
Hunter-Lab	46.7766, -17.7811, 0.8339

Details

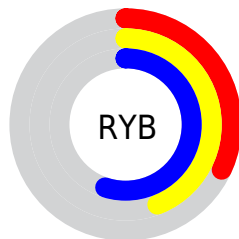
The Yxy color **21.8805, 0.2630, 0.3427** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **12.0785, 0.4021, 0.3164**, and the grayscale version is **19.0636, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.6293, 0.2736, 0.3402**, and **8.0162, 0.2434, 0.3476** is the 20% darker color. If you saturate the color by 10%, you get **21.2834, 0.2541, 0.3465**, and if you desaturate by 10%, it is **22.6058, 0.2733, 0.3390**.

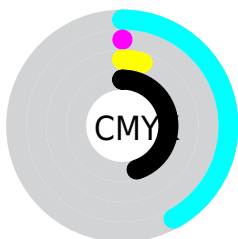
Distribution



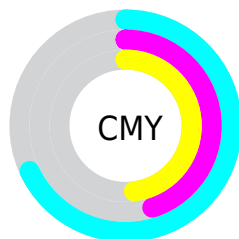
- Red (32%)
- Green (55%)
- Blue (52%)



- Red (32%)
- Yellow (44%)
- Blue (55%)



- Cyan (42%)
- Magenta (0%)
- Yellow (5%)
- Black (45%)





- Cyan (68%)
- Magenta (45%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.8805, 0.2630, 0.3427 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 21.8805, 0.2630, 0.3427 by changing the saturation by 10% instead.

 21.8805, 0.2630,
0.3427


 21.8805, 0.2630,
0.3427


261.9216, 0.2907,
0.3353


 13.7691, 0.2549,
0.3448


 46.5484, 0.2739,
0.3398


 7.9603, 0.2437,
0.3476


 63.8737, 0.2777,
0.3388


 4.0695, 0.2272,
0.3515

 85.0391, 0.2809,
0.3380

 1.7125, 0.2007,
0.3574

 110.4291, 0.2835,
0.3373

 0.4318, 0.0000,
0.4080

 140.4279, 0.2857,
0.3366

 0.0000, 0.0000,
0.0000

175.4200, 0.2876,

0.3361

215.7897, 0.2893,
0.3357

■ 21.8805, 0.2630,
0.3427

■ 21.8805, 0.2630,
0.3427

■ 21.2834, 0.2541,
0.3465

■ 22.6058, 0.2733,
0.3390

■ 20.8041, 0.2469,
0.3505

■ 23.4637, 0.2848,
0.3356

■ 20.4350, 0.2414,
0.3545

■ 24.4617, 0.2973,
0.3324


■ 20.1663, 0.2377,
0.3586

■ 25.6059, 0.3104,
0.3295

■ 19.9866, 0.2358,
0.3627


■ 26.9021, 0.3239,
0.3268

 19.8773, 0.2350,
0.3660

 28.3556, 0.3377,
0.3244

 29.9717, 0.3514,
0.3223

 31.7552, 0.3649,
0.3205

 33.7110, 0.3782,
0.3188

Harmonies

Analogous

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



21.8805, 0.2940, 0.3764



21.8805, 0.2630, 0.3427



21.8805, 0.2456, 0.3070

Triad

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



21.8805, 0.2630, 0.3427



21.8805, 0.2909, 0.2715



21.8805, 0.3850, 0.3729

Complementary

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



21.8805, 0.2630, 0.3427



12.0785, 0.4021, 0.3164

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.



21.8805, 0.3849, 0.3440



21.8805, 0.2630, 0.3427



21.8805, 0.3287, 0.2877

Square

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



21.8805, 0.2630, 0.3427



21.8805, 0.2609, 0.2685



21.8805, 0.3638, 0.3135



21.8805, 0.3649, 0.3925

Rectangle

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



21.8805, 0.2630, 0.3427



21.8805, 0.2432, 0.2879



21.8805, 0.3638, 0.3135



21.8805, 0.3874, 0.3639

Sweetspot

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



21.8814, 0.2630, 0.3427



43.5110, 0.2953, 0.3329



21.1703, 0.3147, 0.4497



9.9409, 0.2928, 0.3335



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



21.8814, 0.2630, 0.3427



38.1763, 0.2546, 0.3463



16.5080, 0.2506, 0.2853



5.6784, 0.3006, 0.3316



17.9417, 0.2350, 0.3659



0.1205, 0.2295, 0.3460

Inverse Universe

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



12.0785, 0.4021, 0.3164



18.1789, 0.4340, 0.3139



15.6387, 0.3983, 0.3683



5.0578, 0.3263, 0.3264



4.9913, 0.6206, 0.3192



0.0343, 0.5501, 0.2804

Previews

White Background



This preview shows how the Yxy color 21.8805, 0.2630, 0.3427 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 21.8805, 0.2630, 0.3427 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

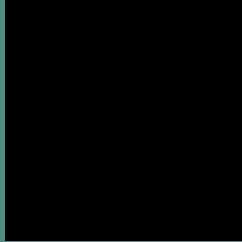
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.8805, 0.2630, 0.3427

Background



This preview shows how black text looks on a background with the Yxy color 21.8805, 0.2630, 0.3427.



This preview shows how white text looks on a background with the Yxy color 21.8805, 0.2630, 0.3427.

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

21.8805, 0.2630, 0.3427

Protanopia

21.7443, 0.3196, 0.3344

Deuteranopia

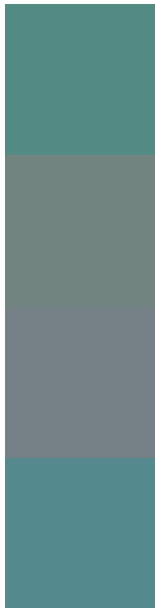
21.5678, 0.3172, 0.3101



Tritanopia

21.9607, 0.2530, 0.3080

Trichromacy



Original Color

21.8805, 0.2630, 0.3427

Protanomaly

21.5718, 0.2957, 0.3364

Deuteranomaly

21.2037, 0.2939, 0.3198

Tritanomaly

22.0148, 0.2571, 0.3211

Monochromacy



Original Color

21.8805, 0.2630, 0.3427

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

19.9832, 0.2909, 0.3348

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.8805, 0.2630, 0.3427 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(81, 139, 132)` looks like.

```
.text, #text, p{  
    color:rgb(81, 139, 132)  
}
```

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(81, 139, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 139, 132) }
```

Border

The CSS property to change the border of an element to Yxy 21.8805, 0.2630, 0.3427 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(81, 139, 132) }
```

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

```
.border{ border-color:rgb(81, 139, 132) }
```

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

Here you see how a box with a 4 pixel rgb(81, 139, 132) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 139, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 139, 132);  
box-shadow:4px 4px 4px 4px rgb(81, 139,  
132) }
```


Background

The CSS property to change the background color of an element to Yxy 21.8805, 0.2630, 0.3427 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 139, 132) }
```

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

```
.background{ background-color: rgb(81, 139,  
132) }
```

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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