

Converting Colors

$Y_{xy}(21.5504, 0.2846, 0.2573)$

Have a look what the booklet for
Yxy(21.5504, 0.2846, 0.2573)
contains.

Yxy(21.4679, 0.2844, 0.2562)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(21.4679, 0.2844, 0.2562)

Conversions

Conversions Part 1

Format	Color
Hex	8978A5
RGB	137, 120, 165
RGB Percent	54%, 47%, 65%
CMY	0.4626, 0.5295, 0.3529
CMYK	0.17, 0.27, 0.00, 0.35
HSL	263°, 20%, 56%
HSV	263°, 27%, 65%
XYZ	23.8309, 21.4679, 38.4947
YIQ	130.2130, -4.3130, 17.5990

Conversions

Conversions Part 2

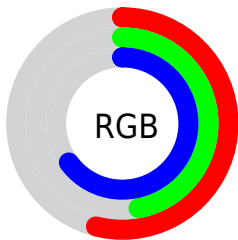
Format	Color
R _Y B	137, 120, 165
Decimal	9009317
CIE Lab	53.46, 15.90, -21.67
CIE LCh	53, 26.872, 306.272
Yxy	21.4679, 0.2844, 0.2562
Android (android.graphics.Color)	4287199397 (0xFF8978A5)
YUV	130.2130, 17.1500, 5.9522
Hunter-Lab	46.3335, 10.7251, -16.8259

Details

The Yxy color $21.4679, 0.2844, 0.2562$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $34.5663, 0.3358, 0.3995$, and the grayscale version is $22.3438, 0.3127, 0.3290$.

A 20% lighter version of the original color is $45.7487, 0.2911, 0.2709$, and $7.6772, 0.2718, 0.2300$ is the 20% darker color. If you saturate the color by 10%, you get $17.0102, 0.2713, 0.2261$, and if you desaturate by 10%, it is $26.6937, 0.2960, 0.2848$.

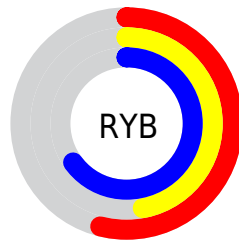
Distribution



Red (54%)

Green (47%)

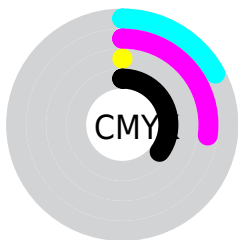
Blue (65%)



Red (54%)

Yellow (47%)

Blue (65%)

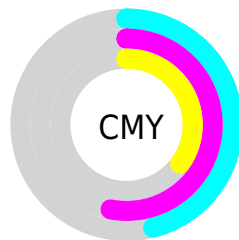


Cyan (17%)

Magenta (27%)

Yellow (0%)

Black (35%)



Cyan (46%)


Magenta (53%)

Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.4679, 0.2844, 0.2562 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 21.4679, 0.2844, 0.2562 by changing the saturation by 10% instead.


 21.4679, 0.2844,
0.2562


 21.4679, 0.2844,
0.2562


259.7548, 0.3007,
0.2954


 13.4664, 0.2795,
0.2455


 45.8650, 0.2909,
0.2711

 7.7505, 0.2726,
0.2311


 63.0294, 0.2932,
0.2765

 3.9357, 0.2623,
0.2110


 84.0169, 0.2950,
0.2810

 1.6377, 0.2455,
0.1813

109.2119, 0.2966,
0.2848

 0.3828, 0.2195,
0.1117

138.9988, 0.2978,
0.2880

 0.0000, 0.0000,
0.0000

173.7620, 0.2989,

0.2908

213.8858, 0.2999,
0.2933

■ 21.4679, 0.2844,
0.2562

■ 21.4679, 0.2844,
0.2562

■ 17.0102, 0.2713,
0.2261

■ 26.6937, 0.2960,
0.2848

■ 13.2807, 0.2570,
0.1953

■ 32.7198, 0.3062,
0.3112

■ 10.2396, 0.2417,
0.1651

■ 39.5795, 0.3150,
0.3353

■ 7.8421, 0.2261,
0.1371

■ 47.3038, 0.3224,
0.3570

■ 6.0383, 0.2110,
0.1129

■ 55.9217, 0.3287,
0.3763

■ 4.7699, 0.1970,
0.0939

■ 65.4611, 0.3340,
0.3935

■ 3.9477, 0.1849,
0.0808

■ 75.9484, 0.3385,
0.4088

■ 3.7577, 0.1819,
0.0776

■ 87.4093, 0.3422,
0.4223

■ 90.9469, 0.3485,
0.4228

Harmonies

Analogous

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



21.4679, 0.2465, 0.2518



21.4679, 0.2844, 0.2562



21.4679, 0.3331, 0.2766

Triad

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



21.4679, 0.2844, 0.2562



21.4679, 0.4061, 0.3841



21.4679, 0.2486, 0.3461

Complementary

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



21.4679, 0.2844, 0.2562



34.5663, 0.3358, 0.3995

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.



21.4679, 0.2877, 0.3914



21.4679, 0.2844, 0.2562



21.4679, 0.3792, 0.4109

Square

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



21.4679, 0.2844, 0.2562



21.4679, 0.4067, 0.3469



21.4679, 0.3355, 0.4157



21.4679, 0.2271, 0.2993

Rectangle

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



21.4679, 0.2844, 0.2562



21.4679, 0.3652, 0.2970



21.4679, 0.3355, 0.4157



21.4679, 0.2600, 0.3624

Sweetspot

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



21.4688, 0.2844, 0.2562



57.6012, 0.3054, 0.3090



28.0490, 0.2712, 0.3018



12.2356, 0.3040, 0.3053



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



21.4688, 0.2844, 0.2562



33.2427, 0.2763, 0.2373



23.5195, 0.3090, 0.2613



6.9846, 0.3043, 0.3062



2.8687, 0.1829, 0.0781



0.0868, 0.2261, 0.1019

Inverse Universe

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



23.5681, 0.3353, 0.2866



37.7321, 0.3421, 0.2764



32.7085, 0.3146, 0.4043



7.1565, 0.3192, 0.3151



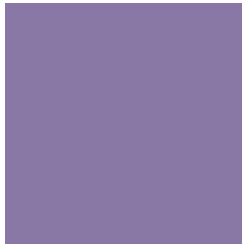
6.7949, 0.4425, 0.2211



0.1515, 0.3886, 0.1914

Previews

White Background



This preview shows how the Yxy color 21.4679, 0.2844, 0.2562 looks on a white background.

Color Contrast Check

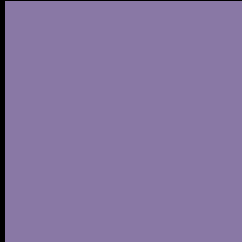
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.4679, 0.2844, 0.2562 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

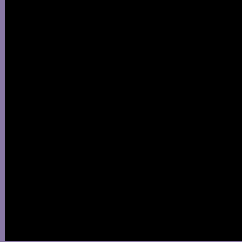
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.4679, 0.2844, 0.2562

Background



This preview shows how black text looks on a background with the Yxy color 21.4679, 0.2844, 0.2562.



This preview shows how white text looks on a background with the Yxy color 21.4679, 0.2844, 0.2562.

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

21.4679, 0.2844, 0.2562

Protanopia

21.5370, 0.2594, 0.2549

Deuteranopia

21.4125, 0.2692, 0.2630



Tritanopia

21.5765, 0.3099, 0.3132

Trichromacy



Original Color

21.4679, 0.2844, 0.2562

Protanomaly

21.5275, 0.2685, 0.2559

Deuteranomaly

21.3583, 0.2750, 0.2606

Tritanomaly

21.5590, 0.3005, 0.2915

Monochromacy



Original Color

21.4679, 0.2844, 0.2562

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

21.8914, 0.3025, 0.2998

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.4679, 0.2844, 0.2562 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(137, 120, 165)` looks like.

```
.text, #text, p{  
    color:rgb(137, 120, 165)  
}
```

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(137, 120, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 120, 165) }
```

Border

The CSS property to change the border of an element to Yxy 21.4679, 0.2844, 0.2562 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(137, 120, 165) }
```

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

```
.border{ border-color:rgb(137, 120, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 120, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 120, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 120, 165);  
box-shadow:4px 4px 4px 4px rgb(137, 120,  
165) }
```


Background

The CSS property to change the background color of an element to Yxy 21.4679, 0.2844, 0.2562 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 120, 165) }
```

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

```
.background{ background-color: rgb(137,  
120, 165) }
```

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