

Converting Colors

$Y_{xy}(21.7383, 0.2493, 0.2832)$

Have a look what the booklet for
Yxy(21.7383, 0.2493, 0.2832)
contains.

Yxy(21.8287, 0.2492, 0.2834)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(21.8287, 0.2492, 0.2834)

Conversions

Conversions Part 1

Format	Color
Hex	5C869F
RGB	92, 134, 159
RGB Percent	36%, 53%, 62%
CMY	0.6393, 0.4745, 0.3765
CMYK	0.42, 0.16, 0.00, 0.38
HSL	202°, 27%, 49%
HSV	202°, 42%, 62%
XYZ	19.1945, 21.8287, 36.0012
YIQ	124.2920, -33.0570, -1.1290

Conversions

Conversions Part 2

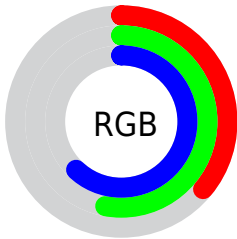
Format	Color
RYB	92, 118, 159
Decimal	6063775
CIELab	53.84, -7.71, -17.88
CIElCh	54, 19.467, 246.676
Yxy	21.8287, 0.2492, 0.2834
Android (android.graphics.Color)	4284253855 (0xFF5C869F)
YUV	124.2920, 17.1110, -28.3201
Hunter-Lab	46.7212, -8.4289, -12.9813

Details

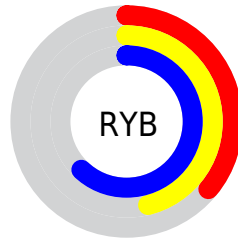
The Yxy color **21.8287, 0.2492, 0.2834** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **20.8574, 0.4005, 0.3698**, and the grayscale version is **20.2072, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.4154, 0.2626, 0.2931**, and **7.8745, 0.2252, 0.2627** is the 20% darker color. If you saturate the color by 10%, you get **19.5018, 0.2353, 0.2703**, and if you desaturate by 10%, it is **24.4210, 0.2639, 0.2957**.

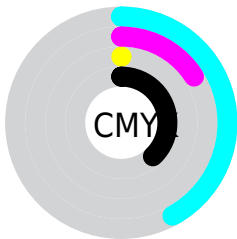
Distribution



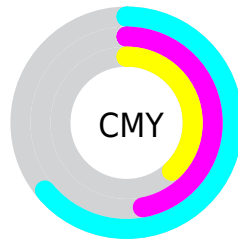
- Red (36%)
- Green (53%)
- Blue (62%)



- Red (36%)
- Yellow (46%)
- Blue (62%)



- Cyan (42%)
- Magenta (16%)
- Yellow (0%)
- Black (38%)



- Cyan (64%)
- Magenta (47%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.8287, 0.2492, 0.2834 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 21.8287, 0.2492, 0.2834 by changing the saturation by 10% instead.

■ 21.8287, 0.2492,
0.2834

■ 21.8287, 0.2492,
0.2834

261.6504, 0.2842,
0.3092

■ 13.7311, 0.2393,
0.2758

■ 46.4627, 0.2627,
0.2936

■ 7.9339, 0.2259,
0.2652

■ 63.7679, 0.2676,
0.2972

■ 4.0527, 0.2067,
0.2495

■ 84.9111, 0.2716,
0.3001

■ 1.7031, 0.1773,
0.2246

■ 110.2766, 0.2749,
0.3026

■ 0.4256, 0.0843,
0.1659

140.2489, 0.2777,
0.3046

■ 0.0000, 0.0000,
0.0000

175.2124, 0.2802,

0.3064

215.5514, 0.2823,
0.3079

■ 21.8287, 0.2492,
0.2834

■ 21.8287, 0.2492,
0.2834

■ 19.5018, 0.2353,
0.2703

■ 24.4210, 0.2639,
0.2957

■ 17.4255, 0.2225,
0.2566

■ 27.2875, 0.2791,
0.3071

■ 15.5869, 0.2113,
0.2426

■ 30.4397, 0.2944,
0.3176

■ 13.9708, 0.2020,
0.2284

■ 33.8874, 0.3095,
0.3271

■ 12.5593, 0.1946,
0.2144

■ 37.6401, 0.3243,
0.3356

■ 11.5627, 0.1899,
0.2035

■ 41.7066, 0.3385,
0.3432

■ 46.0955, 0.3521,
0.3499

■ 50.8150, 0.3651,
0.3558

■ 55.8727, 0.3773,
0.3610

Harmonies

Analogous

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



21.8287, 0.2496, 0.3081



21.8287, 0.2492, 0.2834



21.8287, 0.2646, 0.2722

Triad

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



21.8287, 0.2492, 0.2834



21.8287, 0.3609, 0.3150



21.8287, 0.3296, 0.3903

Complementary

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



21.8287, 0.2492, 0.2834



20.8574, 0.4005, 0.3698

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.



21.8287, 0.3611, 0.3886



21.8287, 0.2492, 0.2834



21.8287, 0.3802, 0.3438

Square

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



21.8287, 0.2492, 0.2834



21.8287, 0.3283, 0.2906



21.8287, 0.3801, 0.3707



21.8287, 0.2947, 0.3726

Rectangle

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



21.8287, 0.2492, 0.2834



21.8287, 0.2824, 0.2726



21.8287, 0.3801, 0.3707



21.8287, 0.3409, 0.3919

Sweetspot

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



21.8295, 0.2492, 0.2834



53.8733, 0.2927, 0.3165



28.3433, 0.2879, 0.4081



11.8707, 0.2895, 0.3144



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.



21.8295, 0.2492, 0.2834



34.9994, 0.2355, 0.2706



14.0674, 0.2389, 0.2195



7.0934, 0.2988, 0.3205



9.2147, 0.1902, 0.2047



0.2436, 0.2056, 0.2602

Inverse Universe

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



16.7422, 0.3516, 0.2625



25.3489, 0.3646, 0.2479



29.9753, 0.3791, 0.4187



6.7126, 0.3191, 0.3151



6.5524, 0.4400, 0.2197



0.1251, 0.3822, 0.1879

Previews

White Background



This preview shows how the Yxy color 21.8287, 0.2492, 0.2834 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 21.8287, 0.2492, 0.2834 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

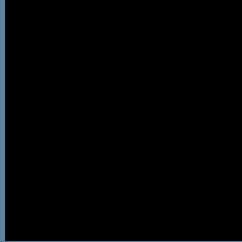
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

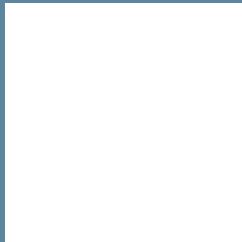
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 21.8287, 0.2492, 0.2834

Background



This preview shows how black text looks on a background with the Yxy color 21.8287, 0.2492, 0.2834.



This preview shows how white text looks on a background with the Yxy color 21.8287, 0.2492, 0.2834.

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

21.8287, 0.2492, 0.2834

Protanopia

21.6494, 0.2796, 0.2822

Deuteranopia

21.7800, 0.2750, 0.2698



Tritanopia

21.8387, 0.2566, 0.3081

Trichromacy



Original Color

21.8287, 0.2492, 0.2834

Protanomaly

21.7451, 0.2673, 0.2830

Deuteranomaly

21.6833, 0.2646, 0.2748

Tritanomaly

21.7360, 0.2540, 0.2990

Monochromacy



Original Color

21.8287, 0.2492, 0.2834

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

20.6892, 0.2855, 0.3122

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.8287, 0.2492, 0.2834 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(92, 134, 159)` looks like.

```
.text, #text, p{  
    color:rgb(92, 134, 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(92, 134, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 134, 159) }
```

Border

The CSS property to change the border of an element to Yxy 21.8287, 0.2492, 0.2834 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(92, 134, 159) }
```

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

```
.border{ border-color:rgb(92, 134, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(92, 134, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 134, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 134, 159);  
box-shadow:4px 4px 4px 4px rgb(92, 134,  
159) }
```


Background

The CSS property to change the background color of an element to Yxy 21.8287, 0.2492, 0.2834 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 134, 159) }
```

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

```
.background{ background-color: rgb(92, 134,  
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](#).

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