

Converting Colors

$Y_{xy}(21.1841, 0.2386, 0.2890)$

Have a look what the booklet for
Yxy(21.1841, 0.2386, 0.2890)
contains.

Yxy(21.1841, 0.2386, 0.2890)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$\text{Yxy}(21.1841, 0.2386, 0.2890)$

Conversions

Conversions Part 1

Format	Color
Hex	4A879C
RGB	74, 135, 156
RGB Percent	29%, 53%, 61%
CMY	0.7098, 0.4706, 0.3882
CMYK	0.53, 0.13, 0.00, 0.39
HSL	195°, 36%, 45%
HSV	195°, 53%, 61%
XYZ	17.4897, 21.1841, 34.6276
YIQ	119.1550, -43.0970, -6.4010

Conversions

Conversions Part 2

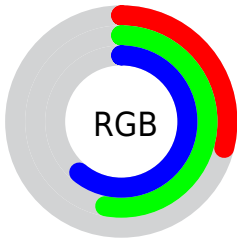
Format	Color
R_{YB}	74, 109, 156
Decimal	4884380
CIE _{Lab}	53.15, -13.67, -17.29
CIE _{LCh}	53, 22.042, 231.672
Yxy	21.1841, 0.2386, 0.2890
Android (android.graphics.Color)	4283074460 (0xFF4A879C)
YUV	119.1550, 18.1646, -39.6009
Hunter-Lab	46.0262, -12.7168, -12.3882

Details

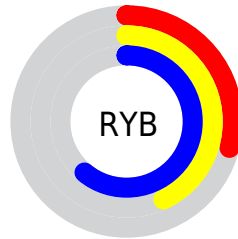
The Yxy color **21.1841, 0.2386, 0.2890** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **15.7517, 0.4397, 0.3637**, and the grayscale version is **18.4516, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.2588, 0.2538, 0.2973**, and **7.5750, 0.2111, 0.2705** is the 20% darker color. If you saturate the color by 10%, you get **19.5457, 0.2275, 0.2799**, and if you desaturate by 10%, it is **23.0195, 0.2511, 0.2977**.

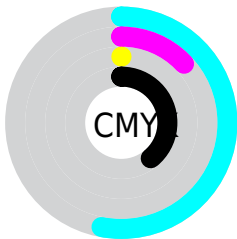
Distribution



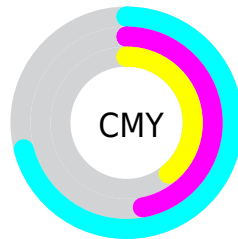
- Red (29%)
- Green (53%)
- Blue (61%)



- Red (29%)
- Yellow (43%)
- Blue (61%)



- Cyan (53%)
- Magenta (13%)
- Yellow (0%)
- Black (39%)



- Cyan (71%)
- Magenta (47%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.1841, 0.2386, 0.2890 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 21.1841, 0.2386, 0.2890 by changing the saturation by 10% instead.

■ 21.1841, 0.2386,
0.2890

■ 21.1841, 0.2386,
0.2890

■ 258.2553, 0.2794,
0.3122

■ 13.2586, 0.2271,
0.2819

■ 45.3937, 0.2544,
0.2983

■ 7.6069, 0.2115,
0.2718

■ 62.4467, 0.2600,
0.3016

■ 3.8445, 0.1894,
0.2567

■ 83.3109, 0.2646,
0.3042

■ 1.5869, 0.1559,
0.2317

■ 108.3709, 0.2685,
0.3064

■ 0.3488, 0.0000,
0.1675

■ 138.0109, 0.2719,
0.3082

■ 0.0000, 0.0000,
0.0000

172.6153, 0.2747,

0.3097

212.5687, 0.2772,
0.3111

■ 21.1841, 0.2386,
0.2890

■ 21.1841, 0.2386,
0.2890

■ 19.5457, 0.2275,
0.2799

■ 23.0195, 0.2511,
0.2977

■ 18.0900, 0.2181,
0.2706

■ 25.0605, 0.2647,
0.3060

■ 16.8041, 0.2105,
0.2612

■ 27.3177, 0.2790,
0.3138

■ 15.6718, 0.2048,
0.2518

■ 29.8003, 0.2938,
0.3209

■ 14.9005, 0.2014,
0.2449

■ 32.5169, 0.3089,
0.3274

■ 35.4756, 0.3238,
0.3333

■ 38.6841, 0.3385,
0.3386

■ 42.1497, 0.3528,
0.3433

■ 45.8793, 0.3666,
0.3474

Harmonies

Analogous

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



21.1841, 0.2480, 0.3231



21.1841, 0.2386, 0.2890



21.1841, 0.2472, 0.2686

Triad

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



21.1841, 0.2386, 0.2890



21.1841, 0.3503, 0.2982



21.1841, 0.3508, 0.4011

Complementary

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



21.1841, 0.2386, 0.2890



15.7517, 0.4397, 0.3637

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.



21.1841, 0.3811, 0.3883



21.1841, 0.2386, 0.2890



21.1841, 0.3815, 0.3289

Square

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



21.1841, 0.2386, 0.2890



21.1841, 0.3098, 0.2752



21.1841, 0.3928, 0.3613



21.1841, 0.3115, 0.3921

Rectangle

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



21.1841, 0.2386, 0.2890



21.1841, 0.2624, 0.2640



21.1841, 0.3928, 0.3613



21.1841, 0.3624, 0.3990

Sweetspot

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



21.1849, 0.2386, 0.2890



52.3738, 0.2883, 0.3183



26.0563, 0.2906, 0.4518



11.3367, 0.2855, 0.3170



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



21.1849, 0.2386, 0.2890



35.0257, 0.2258, 0.2784



11.9521, 0.2223, 0.2064



7.2215, 0.2988, 0.3231



12.3278, 0.2016, 0.2456



0.2835, 0.2119, 0.2827

Inverse Universe

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



13.7165, 0.3496, 0.2335



20.8777, 0.3609, 0.2165



25.0359, 0.4029, 0.4259



6.7255, 0.3174, 0.3125



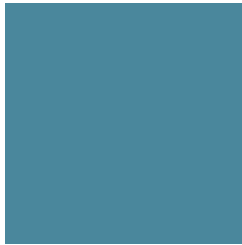
6.8667, 0.3967, 0.1959



0.1291, 0.3609, 0.1762

Previews

White Background



This preview shows how the Yxy color 21.1841, 0.2386, 0.2890 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 21.1841, 0.2386, 0.2890 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

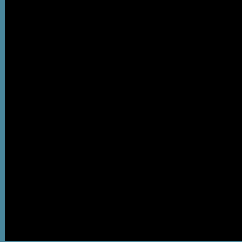
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.1841, 0.2386, 0.2890

Background



This preview shows how black text looks on a background with the Yxy color 21.1841, 0.2386, 0.2890.



This preview shows how white text looks on a background with the Yxy color 21.1841, 0.2386, 0.2890.

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

21.1841, 0.2386, 0.2890

Protanopia

20.9021, 0.2831, 0.2866

Deuteranopia

21.0215, 0.2755, 0.2705



Tritanopia

21.0545, 0.2433, 0.3073

Trichromacy



Original Color

21.1841, 0.2386, 0.2890

Protanomaly

20.9106, 0.2639, 0.2870

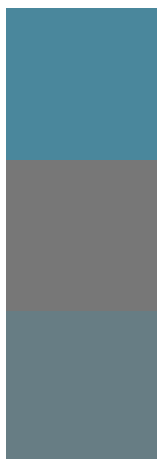
Deuteranomaly

20.8759, 0.2604, 0.2769

Tritanomaly

21.1880, 0.2418, 0.3017

Monochromacy



Original Color

21.1841, 0.2386, 0.2890

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

19.2167, 0.2804, 0.3153

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.1841, 0.2386, 0.2890 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(74, 135, 156)` looks like.

```
.text, #text, p{  
    color:rgb(74, 135, 156)  
}
```

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(74, 135, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 135, 156) }
```

Border

The CSS property to change the border of an element to Yxy 21.1841, 0.2386, 0.2890 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(74, 135, 156) }
```

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

```
.border{ border-color:rgb(74, 135, 156) }
```

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

Here you see how a box with a 4 pixel rgb(74, 135, 156) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 135, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 135, 156);  
box-shadow:4px 4px 4px 4px rgb(74, 135,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 21.1841, 0.2386, 0.2890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 135, 156) }
```

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

```
.background{ background-color: rgb(74, 135,  
156) }
```

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