

Converting Colors

$Y_{xy}(21.5197, 0.3976, 0.5085)$

Have a look what the booklet for
Yxy(21.5197, 0.3976, 0.5085)
contains.

Yxy(21.5197, 0.3976, 0.5085)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(21.5197, 0.3976, 0.5085)

Conversions

Conversions Part 1

Format	Color
Hex	7A8715
RGB	122, 135, 21
RGB Percent	48%, 53%, 8%
CMY	0.5215, 0.4706, 0.9178
CMYK	0.10, 0.00, 0.84, 0.47
HSL	67°, 73%, 31%
HSV	67°, 84%, 53%
XYZ	16.8264, 21.5197, 3.9738
YIQ	118.1170, 28.8460, -38.2100

Conversions

Conversions Part 2

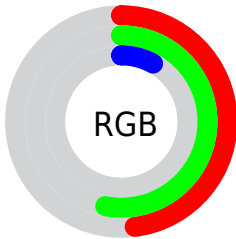
Format	Color
R_{YB}	21, 135, 34
Decimal	8029973
CIE Lab	53.51, -18.88, 53.51
CIE LCh	54, 56.742, 109.431
Yxy	21.5197, 0.3976, 0.5085
Android (android.graphics.Color)	4286220053 (0xFF7A8715)
YUV	118.1170, -47.8787, 3.4054
Hunter-Lab	46.3893, -16.4355, 27.3936

Details

The Yxy color **21.5197, 0.3976, 0.5085** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **2.6231, 0.1705, 0.0844**, and the grayscale version is **18.3012, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.8494, 0.3853, 0.4717**, and **7.7622, 0.3889, 0.5294** is the 20% darker color. If you saturate the color by 10%, you get **21.3717, 0.3994, 0.5168**, and if you desaturate by 10%, it is **21.6980, 0.3934, 0.4961**.

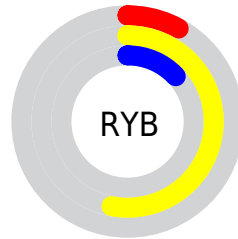
Distribution



Red (48%)

Green (53%)

Blue (8%)



Red (8%)

Yellow (53%)

Blue (13%)

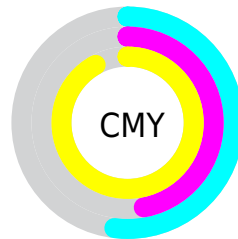


Cyan (10%)

Magenta (0%)

Yellow (84%)

Black (47%)



Cyan (52%)


Magenta (47%)


Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.5197, 0.3976, 0.5085 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 21.5197, 0.3976, 0.5085 by changing the saturation by 10% instead.


 21.5197, 0.3976,
0.5085


 21.5197, 0.3976,
0.5085


 260.0277, 0.3579,
0.4093


 13.5044, 0.4030,
0.5333


 45.9509, 0.3855,
0.4714

 7.7768, 0.4094,
0.5687


 63.1355, 0.3800,
0.4576


 3.9525, 0.4005,
0.5995

 84.1455, 0.3751,
0.4461

 1.6470, 0.3699,
0.6301

 109.3650, 0.3708,
0.4364

 0.3890, 0.0000,
1.0000

 139.1786, 0.3670,
0.4281

 0.0000, 0.0000,
0.0000

 173.9707, 0.3636,

0.4210

214.1256, 0.3606,
0.4147

21.5197, 0.3976,
0.5085

21.5197, 0.3976,
0.5085

21.3717, 0.3994,
0.5168

21.6980, 0.3934,
0.4961

21.2946, 0.3999,
0.5206

21.9078, 0.3869,
0.4798

22.1533, 0.3782,
0.4600

22.4374, 0.3678,
0.4375

22.7625, 0.3561,
0.4134

■ 23.1309, 0.3436,
0.3885

■ 23.5447, 0.3309,
0.3637

■ 24.0060, 0.3183,
0.3395

■ 24.5166, 0.3060,
0.3164

Harmonies

Analogous

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



21.5197, 0.4745, 0.4506



21.5197, 0.3976, 0.5085



21.5197, 0.3047, 0.5109

Triad

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



21.5197, 0.3976, 0.5085



21.5197, 0.1464, 0.2284



21.5197, 0.3981, 0.2510

Complementary

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



21.5197, 0.3976, 0.5085



2.6231, 0.1705, 0.0844

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.



21.5197, 0.2928, 0.2058



21.5197, 0.3976, 0.5085



21.5197, 0.1619, 0.1894

Square

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



21.5197, 0.3976, 0.5085



21.5197, 0.1638, 0.3110



21.5197, 0.2100, 0.1839



21.5197, 0.4852, 0.3118

Rectangle

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



21.5197, 0.3976, 0.5085



21.5197, 0.2450, 0.4629



21.5197, 0.2100, 0.1839



21.5197, 0.3625, 0.2337

Sweetspot

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



21.5207, 0.3976, 0.5085



41.3472, 0.3450, 0.3912



6.2574, 0.5833, 0.3426



9.5275, 0.3488, 0.3989



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



21.5207, 0.3976, 0.5085



38.0902, 0.3995, 0.5210



18.5604, 0.3324, 0.5565



5.3969, 0.3241, 0.3506



19.6397, 0.4000, 0.5206



0.0699, 0.4101, 0.5126

Inverse Universe

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



2.6231, 0.1705, 0.0844



3.2817, 0.1542, 0.0623



4.4268, 0.2408, 0.1212



4.5681, 0.3008, 0.3067



1.7130, 0.1555, 0.0630



0.0075, 0.1782, 0.0755

Previews

White Background



This preview shows how the Yxy color 21.5197, 0.3976, 0.5085 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 21.5197, 0.3976, 0.5085 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

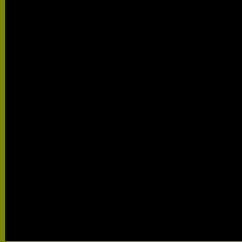
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.5197, 0.3976, 0.5085

Background



This preview shows how black text looks on a background with the Yxy color 21.5197, 0.3976, 0.5085.



This preview shows how white text looks on a background with the Yxy color 21.5197, 0.3976, 0.5085.

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

21.5197, 0.3976, 0.5085

Protanopia

21.4147, 0.4347, 0.4814

Deuteranopia

21.3455, 0.4601, 0.4511



Tritanopia

21.6048, 0.3088, 0.3115

Trichromacy



Original Color

21.5197, 0.3976, 0.5085

Protanomaly

21.5173, 0.4204, 0.4917

Deuteranomaly

21.2039, 0.4377, 0.4713

Tritanomaly

21.0979, 0.3506, 0.3940

Monochromacy



Original Color

21.5197, 0.3976, 0.5085

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

18.9618, 0.3536, 0.4094

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.5197, 0.3976, 0.5085 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(122, 135, 21)` looks like.

```
.text, #text, p{  
    color:rgb(122, 135, 21)  
}
```

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(122, 135, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 135, 21) }
```

Border

The CSS property to change the border of an element to Yxy 21.5197, 0.3976, 0.5085 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(122, 135, 21) }
```

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

```
.border{ border-color:rgb(122, 135, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 135, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 135, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 135, 21);  
box-shadow:4px 4px 4px 4px rgb(122, 135,  
21) }
```


Background

The CSS property to change the background color of an element to Yxy 21.5197, 0.3976, 0.5085 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 135, 21) }
```

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

```
.background{ background-color: rgb(122,  
135, 21) }
```

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