

Converting Colors

$Y_{xy}(21.6659, 0.2768, 0.4357)$

Have a look what the booklet for
Yxy(21.6659, 0.2768, 0.4357)
contains.

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Color

Yxy(21.6723, 0.2771, 0.4357)

Conversions

Conversions Part 1

Format	Color
Hex	3A905F
RGB	58, 144, 95
RGB Percent	23%, 56%, 37%
CMY	0.7726, 0.4353, 0.6274
CMYK	0.60, 0.00, 0.34, 0.44
HSL	146°, 43%, 40%
HSV	146°, 60%, 56%
XYZ	13.7833, 21.6723, 14.2857
YIQ	112.7000, -35.5270, -33.4710

Conversions

Conversions Part 2

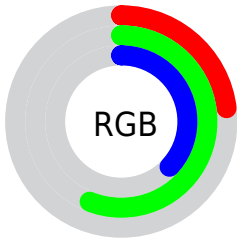
Format	Color
R_{YB}	58, 118, 144
Decimal	3838047
CIE _{Lab}	53.68, -37.65, 18.51
CIE _{LCh}	54, 41.948, 153.821
Yxy	21.6723, 0.2771, 0.4357
Android (android.graphics.Color)	4282028127 (0xFF3A905F)
YUV	112.7000, -8.7261, -47.9719
Hunter-Lab	46.5535, -28.6193, 14.3934

Details

The Yxy color **21.6723, 0.2771, 0.4357** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **10.0150, 0.3850, 0.2461**, and the grayscale version is **16.4535, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.4329, 0.2862, 0.4098**, and **8.0421, 0.2679, 0.4843** is the 20% darker color. If you saturate the color by 10%, you get **21.1590, 0.2747, 0.4574**, and if you desaturate by 10%, it is **22.3238, 0.2810, 0.4145**.

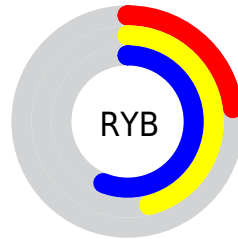
Distribution



Red (23%)

Green (56%)

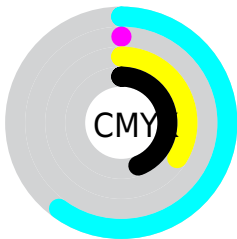
Blue (37%)



Red (23%)

Yellow (46%)

Blue (56%)

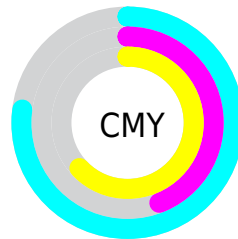


Cyan (60%)

Magenta (0%)

Yellow (34%)

Black (44%)



Cyan (77%)


Magenta (44%)

Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.6723, 0.2771, 0.4357 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 21.6723, 0.2771, 0.4357 by changing the saturation by 10% instead.


 21.6723, 0.2771,
0.4357


 21.6723, 0.2771,
0.4357


260.8301, 0.2989,
0.3722


 13.6163, 0.2697,
0.4562


 46.2038, 0.2862,
0.4095

 7.8543, 0.2587,
0.4862


 63.4481, 0.2893,
0.4007


 4.0019, 0.2406,
0.5338

 84.5239, 0.2917,
0.3936

 1.6746, 0.2040,
0.6568

 109.8157, 0.2937,
0.3878

 0.4071, 0.0000,
1.0000

 139.7078, 0.2953,
0.3830

 0.0000, 0.0000,
0.0000

174.5846, 0.2967,

0.3788

214.8306, 0.2978,
0.3753

■ 21.6723, 0.2771,
0.4357

■ 21.6723, 0.2771,
0.4357

■ 21.1590, 0.2747,
0.4574

■ 22.3238, 0.2810,
0.4145

■ 20.7704, 0.2741,
0.4790

■ 23.1204, 0.2861,
0.3943

■ 20.4948, 0.2752,
0.4998

■ 24.0718, 0.2921,
0.3755

■ 20.3002, 0.2777,
0.5194

■ 25.1860, 0.2988,
0.3582

■ 20.2954, 0.2777,
0.5199

■ 26.4705, 0.3058,
0.3426

■ 27.9321, 0.3129,
0.3287

■ 29.5776, 0.3200,
0.3162

■ 31.4131, 0.3270,
0.3053

■ 33.4446, 0.3338,
0.2957

Harmonies

Analogous

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



21.6723, 0.3492, 0.4684



21.6723, 0.2771, 0.4357



21.6723, 0.2185, 0.3607

Triad

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



21.6723, 0.2771, 0.4357



21.6723, 0.2103, 0.2152



21.6723, 0.4571, 0.3460

Complementary

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



21.6723, 0.2771, 0.4357



10.0150, 0.3850, 0.2461

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.



21.6723, 0.4110, 0.2924



21.6723, 0.2771, 0.4357



21.6723, 0.2628, 0.2209

Square

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



21.6723, 0.2771, 0.4357



21.6723, 0.1847, 0.2352



21.6723, 0.3363, 0.2483



21.6723, 0.4568, 0.4017

Rectangle

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



21.6723, 0.2771, 0.4357



21.6723, 0.1942, 0.3079



21.6723, 0.3363, 0.2483



21.6723, 0.4465, 0.3275

Sweetspot

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



21.6732, 0.2771, 0.4357



44.7112, 0.2997, 0.3560



23.4513, 0.3527, 0.4883



10.1248, 0.2979, 0.3604



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



21.6732, 0.2771, 0.4357



37.0362, 0.2743, 0.4656



22.6482, 0.2458, 0.3432



6.0655, 0.3062, 0.3418



17.6771, 0.2775, 0.5188



0.1733, 0.2546, 0.4364

Inverse Universe

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



10.0150, 0.3850, 0.2461



14.4953, 0.4106, 0.2339



9.3374, 0.4753, 0.3176



5.4723, 0.3198, 0.3165



5.6988, 0.4621, 0.2319



0.0589, 0.3875, 0.1908

Previews

White Background



This preview shows how the Yxy color 21.6723, 0.2771, 0.4357 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 21.6723, 0.2771, 0.4357 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

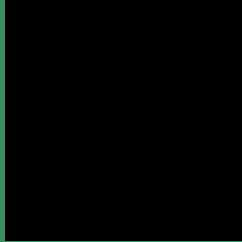
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.6723, 0.2771, 0.4357

Background



This preview shows how black text looks on a background with the Yxy color 21.6723, 0.2771, 0.4357.



This preview shows how white text looks on a background with the Yxy color 21.6723, 0.2771, 0.4357.

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

21.6723, 0.2771, 0.4357

Protanopia

21.2866, 0.3713, 0.3985

Deuteranopia

21.2287, 0.3740, 0.3667



Tritanopia

21.4853, 0.2450, 0.3075

Trichromacy



Original Color

21.6723, 0.2771, 0.4357

Protanomaly

20.7816, 0.3290, 0.4123

Deuteranomaly

20.5601, 0.3309, 0.3912

Tritanomaly

21.5701, 0.2561, 0.3513

Monochromacy



Original Color

21.6723, 0.2771, 0.4357

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

17.7831, 0.2958, 0.3673

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.6723, 0.2771, 0.4357 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(58, 144, 95)` looks like.

```
.text, #text, p{  
    color:rgb(58, 144, 95)  
}
```

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(58, 144, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 144, 95) }
```

Border

The CSS property to change the border of an element to Yxy 21.6723, 0.2771, 0.4357 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(58, 144, 95) }
```

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

```
.border{ border-color:rgb(58, 144, 95) }
```

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

Here you see how a box with a 4 pixel rgb(58, 144, 95) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 144, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 144, 95);  
box-shadow:4px 4px 4px 4px rgb(58, 144,  
95) }
```


Background

The CSS property to change the background color of an element to Yxy 21.6723, 0.2771, 0.4357 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 144, 95) }
```

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

```
.background{ background-color: rgb(58, 144,  
95) }
```

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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