

Converting Colors

$Y_{xy}(21.2356, 0.2939, 0.5100)$

Have a look what the booklet for
Yxy(21.2356, 0.2939, 0.5100)
contains.

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Color

Yxy(21.2381, 0.2940, 0.5101)

Conversions

Conversions Part 1

Format	Color
Hex	30913F
RGB	48, 145, 63
RGB Percent	19%, 57%, 25%
CMY	0.8118, 0.4314, 0.7529
CMYK	0.67, 0.00, 0.57, 0.43
HSL	129°, 50%, 38%
HSV	129°, 67%, 57%
XYZ	12.2407, 21.2381, 8.1563
YIQ	106.6490, -31.4900, -46.0660

Conversions

Conversions Part 2

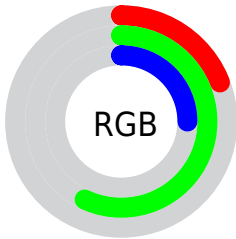
Format	Color
RYB	48, 132, 145
Decimal	3182911
CIELab	53.21, -45.82, 35.02
CIELCh	53, 57.665, 142.610
Yxy	21.2381, 0.2940, 0.5101
Android (android.graphics.Color)	4281372991 (0xFF30913F)
YUV	106.6490, -21.5190, -51.4352
Hunter-Lab	46.0848, -33.2364, 21.7659

Details

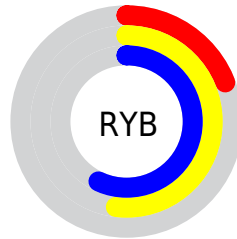
The Yxy color **21.2381, 0.2940, 0.5101** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **9.7438, 0.3448, 0.2004**, and the grayscale version is **14.6668, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.5650, 0.3018, 0.4649**, and **7.8578, 0.2946, 0.5807** is the 20% darker color. If you saturate the color by 10%, you get **20.8203, 0.2935, 0.5379**, and if you desaturate by 10%, it is **21.8034, 0.2954, 0.4799**.

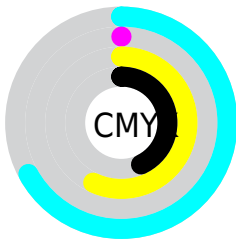
Distribution



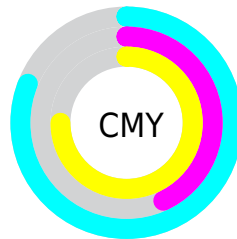
- Red (19%)
- Green (57%)
- Blue (25%)



- Red (19%)
- Yellow (52%)
- Blue (57%)



- Cyan (67%)
- Magenta (0%)
- Yellow (57%)
- Black (43%)





- Cyan (81%)
- Magenta (43%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.2381, 0.2940, 0.5101 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 21.2381, 0.2940, 0.5101 by changing the saturation by 10% instead.


 21.2381, 0.2940,
0.5101

 21.2381, 0.2940,
0.5101


258.5412, 0.3096,
0.4007


 13.2982, 0.2863,
0.5453


 45.4835, 0.3020,
0.4649


 7.6342, 0.2729,
0.5957


 62.5577, 0.3042,
0.4496


 3.8618, 0.2524,
0.6856

 83.4454, 0.3058,
0.4374

 1.5965, 0.1453,
0.8547

 108.5311, 0.3069,
0.4274

 0.3553, 0.0000,
1.0000

 138.1991, 0.3078,
0.4190

 0.0000, 0.0000,
0.0000

 172.8339, 0.3085,

0.4120

212.8198, 0.3091,
0.4059

■ 21.2381, 0.2940,
0.5101

■ 21.2381, 0.2940,
0.5101

■ 20.8203, 0.2935,
0.5379

■ 21.8034, 0.2954,
0.4799

■ 20.5336, 0.2941,
0.5617

■ 22.5257, 0.2977,
0.4493

■ 20.3567, 0.2955,
0.5799

■ 23.4165, 0.3005,
0.4195

■ 20.3119, 0.2957,
0.5845

■ 24.4856, 0.3037,
0.3915

■ 25.7421, 0.3071,
0.3660

■ 27.1945, 0.3104,
0.3432

■ 28.8505, 0.3137,
0.3231

■ 30.7178, 0.3169,
0.3054

■ 32.8034, 0.3198,
0.2901

Harmonies

Analogous

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



21.2381, 0.3888, 0.5157



21.2381, 0.2940, 0.5101



21.2381, 0.2091, 0.4167

Triad

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



21.2381, 0.2940, 0.5101



21.2381, 0.1630, 0.1850



21.2381, 0.4949, 0.3181

Complementary

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



21.2381, 0.2940, 0.5101



9.7438, 0.3448, 0.2004

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.



21.2381, 0.4110, 0.2555



21.2381, 0.2940, 0.5101



21.2381, 0.2154, 0.1828

Square

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



21.2381, 0.2940, 0.5101



21.2381, 0.1440, 0.2203



21.2381, 0.3030, 0.2077



21.2381, 0.5138, 0.3875

Rectangle

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



21.2381, 0.2940, 0.5101



21.2381, 0.1704, 0.3357



21.2381, 0.3030, 0.2077



21.2381, 0.4729, 0.2963

Sweetspot

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



21.2390, 0.2940, 0.5101



45.2693, 0.3059, 0.3747



25.2470, 0.3848, 0.4874



9.9451, 0.3050, 0.3810



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.



21.2390, 0.2940, 0.5101



37.0115, 0.2937, 0.5499



22.0288, 0.2594, 0.4020



6.0422, 0.3097, 0.3481



17.4237, 0.2955, 0.5838



0.1687, 0.2797, 0.5270

Inverse Universe

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



9.7438, 0.3448, 0.2004



14.8789, 0.3533, 0.1850



8.7407, 0.4468, 0.2740



5.4969, 0.3159, 0.3106



6.3835, 0.3631, 0.1774



0.0635, 0.3401, 0.1647

Previews

White Background



This preview shows how the Yxy color 21.2381, 0.2940, 0.5101 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 21.2381, 0.2940, 0.5101 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

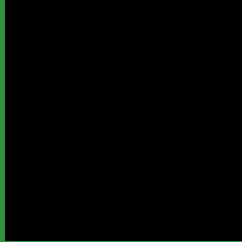
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.2381, 0.2940, 0.5101

Background



This preview shows how black text looks on a background with the Yxy color 21.2381, 0.2940, 0.5101.



This preview shows how white text looks on a background with the Yxy color 21.2381, 0.2940, 0.5101.

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

21.2381, 0.2940, 0.5101

Protanopia

20.7926, 0.4073, 0.4453

Deuteranopia

20.7452, 0.4181, 0.4102



Tritanopia

21.0926, 0.2440, 0.3073

Trichromacy



Original Color

21.2381, 0.2940, 0.5101



Protanomaly

20.2166, 0.3570, 0.4735



Deuteranomaly

19.7506, 0.3624, 0.4492



Tritanomaly

20.7830, 0.2625, 0.3779

Monochromacy



Original Color

21.2381, 0.2940, 0.5101



Achromatopsia

14.7027, 0.3127, 0.3290



Achromatomaly

16.4085, 0.3037, 0.3966

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.2381, 0.2940, 0.5101 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(48, 145, 63)` looks like.

```
.text, #text, p{  
    color:rgb(48, 145, 63)  
}
```

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(48, 145, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 145, 63) }
```

Border

The CSS property to change the border of an element to Yxy 21.2381, 0.2940, 0.5101 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(48, 145, 63) }
```

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

```
.border{ border-color:rgb(48, 145, 63) }
```

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

Here you see how a box with a 4 pixel rgb(48, 145, 63) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 145, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 145, 63);  
box-shadow:4px 4px 4px 4px rgb(48, 145,  
63) }
```


Background

The CSS property to change the background color of an element to Yxy 21.2381, 0.2940, 0.5101 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 145, 63) }
```

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

```
.background{ background-color: rgb(48, 145,  
63) }
```

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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