

Converting Colors

$Yxy(20.7626, 0.3049, 0.4930)$

Have a look what the booklet for
Yxy(20.7626, 0.3049, 0.4930)
contains.

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Color

Yxy(20.8976, 0.3050, 0.4939)

Conversions

Conversions Part 1

Format	Color
Hex	428E42
RGB	66, 142, 66
RGB Percent	26%, 56%, 26%
CMY	0.7410, 0.4431, 0.7411
CMYK	0.53, 0.00, 0.54, 0.44
HSL	120°, 37%, 41%
HSV	120°, 54%, 56%
XYZ	12.9050, 20.8976, 8.5088
YIQ	110.6120, -20.9000, -39.7480

Conversions

Conversions Part 2

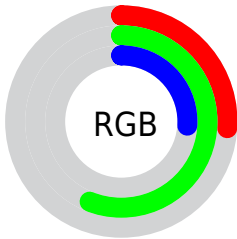
Format	Color
RYB	66, 142, 142
Decimal	4361794
CIELab	52.84, -39.73, 33.18
CIElCh	53, 51.759, 140.132
Yxy	20.8976, 0.3050, 0.4939
Android (android.graphics.Color)	4282551874 (0xFF428E42)
YUV	110.6120, -21.9937, -39.1247
Hunter-Lab	45.7139, -29.6090, 20.9640

Details

The Yxy color **20.8976, 0.3050, 0.4939** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **11.5989, 0.3185, 0.2054**, and the grayscale version is **15.8505, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.7339, 0.3097, 0.4522**, and **7.5258, 0.2917, 0.5702** is the 20% darker color. If you saturate the color by 10%, you get **20.3176, 0.3034, 0.5271**, and if you desaturate by 10%, it is **21.6433, 0.3066, 0.4591**.

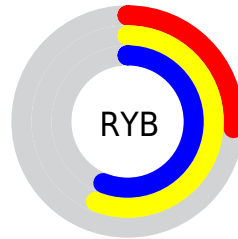
Distribution



Red (26%)

Green (56%)

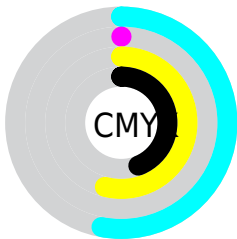
Blue (26%)



Red (26%)

Yellow (56%)

Blue (56%)

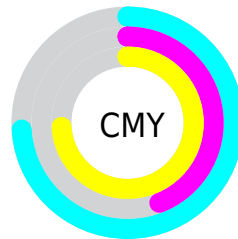


Cyan (53%)

Magenta (0%)

Yellow (54%)

Black (44%)



Cyan (74%)


Magenta (44%)

Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.8976, 0.3050, 0.4939 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 20.8976, 0.3050, 0.4939 by changing the saturation by 10% instead.


 20.8976, 0.3050,
0.4939


 20.8976, 0.3050,
0.4939


256.7338, 0.3136,
0.3947


 13.0492, 0.2998,
0.5258


 44.9171, 0.3099,
0.4530

 7.4624, 0.2900,
0.5715


 61.8569, 0.3112,
0.4391

 3.7529, 0.2743,
0.6506

 82.5959, 0.3120,
0.4280

 1.5363, 0.1987,
0.8013

 107.5186, 0.3125,
0.4189

 0.3141, 0.0000,
1.0000

 137.0094, 0.3129,
0.4114

 0.0000, 0.0000,
0.0000

171.4526, 0.3132,

0.4050

211.2326, 0.3134,
0.3995

■ 20.8976, 0.3050,
0.4939

■ 20.8976, 0.3050,
0.4939

■ 20.3176, 0.3034,
0.5271

■ 21.6433, 0.3066,
0.4591

■ 19.8883, 0.3021,
0.5561

■ 22.5633, 0.3082,
0.4248

■ 19.5966, 0.3010,
0.5786

■ 23.6684, 0.3097,
0.3926

■ 19.4255, 0.3003,
0.5930

■ 24.9682, 0.3111,
0.3634

■ 19.3459, 0.3000,
0.6000

■ 26.4712, 0.3123,
0.3374

■ 28.1857, 0.3134,
0.3146

■ 30.1194, 0.3143,
0.2949

■ 32.2798, 0.3151,
0.2779

■ 34.6737, 0.3158,
0.2633

Harmonies

Analogous

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



20.8976, 0.3920, 0.4966



20.8976, 0.3050, 0.4939



20.8976, 0.2247, 0.4163

Triad

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



20.8976, 0.3050, 0.4939



20.8976, 0.1719, 0.1980



20.8976, 0.4731, 0.3158

Complementary

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



20.8976, 0.3050, 0.4939



11.5989, 0.3185, 0.2054

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.



20.8976, 0.3941, 0.2577



20.8976, 0.3050, 0.4939



20.8976, 0.2185, 0.1930

Square

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



20.8976, 0.3050, 0.4939



20.8976, 0.1565, 0.2350



20.8976, 0.2969, 0.2143



20.8976, 0.4973, 0.3807

Rectangle

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



20.8976, 0.3050, 0.4939



20.8976, 0.1863, 0.3449



20.8976, 0.2969, 0.2143



20.8976, 0.4516, 0.2953

Sweetspot

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



20.8985, 0.3050, 0.4939



43.3486, 0.3107, 0.3713



25.1150, 0.3889, 0.4517



9.5893, 0.3105, 0.3764



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



20.8985, 0.3050, 0.4939



35.6724, 0.3032, 0.5328



21.4782, 0.2761, 0.4132



6.0295, 0.3117, 0.3517



17.3701, 0.3000, 0.6000



0.1661, 0.3001, 0.6000

Inverse Universe

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



11.5989, 0.3185, 0.2054



17.4879, 0.3194, 0.1848



10.6736, 0.3820, 0.2602



5.5109, 0.3137, 0.3073



6.9132, 0.3208, 0.1541



0.0661, 0.3209, 0.1541

Previews

White Background



This preview shows how the Yxy color 20.8976, 0.3050, 0.4939 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 20.8976, 0.3050, 0.4939 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 20.8976, 0.3050, 0.4939

Background



This preview shows how black text looks on a background with the Yxy color 20.8976, 0.3050, 0.4939.



This preview shows how white text looks on a background with the Yxy color 20.8976, 0.3050, 0.4939.

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

20.8976, 0.3050, 0.4939

Protanopia

20.7476, 0.4022, 0.4403

Deuteranopia

20.6731, 0.4146, 0.4077



Tritanopia

20.9028, 0.2535, 0.3095

Trichromacy



Original Color

20.8976, 0.3050, 0.4939

Protanomaly

20.3062, 0.3604, 0.4623

Deuteranomaly

19.9455, 0.3679, 0.4391

Tritanomaly

20.7301, 0.2726, 0.3727

Monochromacy



Original Color

20.8976, 0.3050, 0.4939

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

17.1782, 0.3100, 0.3874

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.8976, 0.3050, 0.4939 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(66, 142, 66)` looks like.

```
.text, #text, p{  
    color:rgb(66, 142, 66)  
}
```

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(66, 142, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 142, 66) }
```

Border

The CSS property to change the border of an element to Yxy 20.8976, 0.3050, 0.4939 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(66, 142, 66) }
```

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

```
.border{ border-color:rgb(66, 142, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 142, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 142, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 142, 66);  
box-shadow:4px 4px 4px 4px rgb(66, 142,  
66) }
```


Background

The CSS property to change the background color of an element to Yxy 20.8976, 0.3050, 0.4939 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 142, 66) }
```

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

```
.background{ background-color: rgb(66, 142,  
66) }
```

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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