

Converting Colors

$Y_{xy}(19.8883, 0.3050, 0.4939)$

Have a look what the booklet for
Yxy(19.8883, 0.3050, 0.4939)
contains.

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Color

Yxy(19.9254, 0.3049, 0.4951)

Conversions

Conversions Part 1

Format	Color
Hex	408B40
RGB	64, 139, 64
RGB Percent	25%, 55%, 25%
CMY	0.7491, 0.4549, 0.7490
CMYK	0.54, 0.00, 0.54, 0.45
HSL	120°, 37%, 40%
HSV	120°, 54%, 55%
XYZ	12.2708, 19.9254, 8.0490
YIQ	108.0250, -20.6250, -39.2250

Conversions

Conversions Part 2

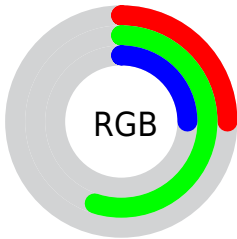
Format	Color
RYB	64, 139, 139
Decimal	4229952
CIELab	51.75, -39.33, 32.88
CIElCh	52, 51.264, 140.108
Yxy	19.9254, 0.3049, 0.4951
Android (android.graphics.Color)	4282420032 (0xFF408B40)
YUV	108.0250, -21.7043, -38.6099
Hunter-Lab	44.6379, -29.0474, 20.5554

Details

The Yxy color **19.9254, 0.3049, 0.4951** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **11.0163, 0.3186, 0.2048**, and the grayscale version is **15.0681, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.2064, 0.3098, 0.4525**, and **7.0169, 0.2924, 0.5725** is the 20% darker color. If you saturate the color by 10%, you get **19.3782, 0.3033, 0.5281**, and if you desaturate by 10%, it is **20.6299, 0.3065, 0.4604**.

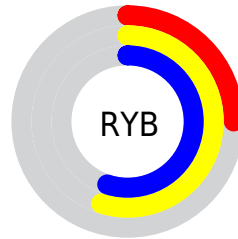
Distribution



Red (25%)

Green (55%)

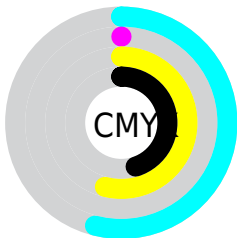
Blue (25%)



Red (25%)

Yellow (55%)

Blue (55%)

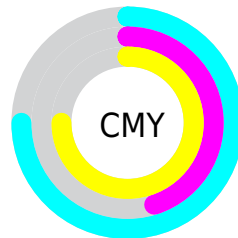


Cyan (54%)

Magenta (0%)

Yellow (54%)

Black (45%)



Cyan (75%)


Magenta (45%)

Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.9254, 0.3049, 0.4951 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 19.9254, 0.3049, 0.4951 by changing the saturation by 10% instead.


 19.9254, 0.3049,
0.4951


 19.9254, 0.3049,
0.4951


251.5110, 0.3136,
0.3945


 12.3408, 0.2995,
0.5278


 43.2921, 0.3100,
0.4533


 6.9762, 0.2893,
0.5750


 59.8430, 0.3112,
0.4393


 3.4472, 0.2748,
0.6630

 80.1514, 0.3120,
0.4281

 1.3694, 0.1680,
0.8320

 104.6018, 0.3126,
0.4189

 0.1940, 0.0000,
1.0000

 133.5786, 0.3130,
0.4113

 0.0000, 0.0000,
0.0000

167.4661, 0.3133,

0.4048

206.6488, 0.3135,
0.3993

■ 19.9254, 0.3049,
0.4951

■ 19.9254, 0.3049,
0.4951

■ 19.3782, 0.3033,
0.5281

■ 20.6299, 0.3065,
0.4604

■ 18.9739, 0.3020,
0.5569

■ 21.4997, 0.3081,
0.4261

■ 18.6999, 0.3010,
0.5791

■ 22.5452, 0.3097,
0.3939

■ 18.5396, 0.3003,
0.5933

■ 23.7755, 0.3110,
0.3646

■ 18.4673, 0.3000,
0.6000

■ 25.1988, 0.3123,
0.3385

■ 26.8229, 0.3133,
0.3156

■ 28.6553, 0.3143,
0.2958

■ 30.7027, 0.3151,
0.2787

■ 32.9721, 0.3158,
0.2641

Harmonies

Analogous

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



19.9254, 0.3924, 0.4976



19.9254, 0.3049, 0.4951



19.9254, 0.2242, 0.4169

Triad

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



19.9254, 0.3049, 0.4951



19.9254, 0.1711, 0.1974



19.9254, 0.4741, 0.3156

Complementary

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



19.9254, 0.3049, 0.4951



11.0163, 0.3186, 0.2048

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.



19.9254, 0.3945, 0.2572



19.9254, 0.3049, 0.4951



19.9254, 0.2180, 0.1923

Square

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



19.9254, 0.3049, 0.4951



19.9254, 0.1557, 0.2345



19.9254, 0.2967, 0.2137



19.9254, 0.4983, 0.3807

Rectangle

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



19.9254, 0.3049, 0.4951



19.9254, 0.1856, 0.3450



19.9254, 0.2967, 0.2137



19.9254, 0.4524, 0.2950

Sweetspot

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



19.9262, 0.3049, 0.4951



42.0214, 0.3107, 0.3712



24.3265, 0.3883, 0.4540



9.5891, 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.



19.9262, 0.3049, 0.4951



34.5005, 0.3030, 0.5356



20.5053, 0.2749, 0.4110



5.6083, 0.3117, 0.3515



16.6658, 0.3000, 0.6000



0.1107, 0.2999, 0.5998

Inverse Universe

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



11.0163, 0.3186, 0.2048



16.7621, 0.3196, 0.1834



10.1020, 0.3852, 0.2620



5.1290, 0.3137, 0.3074



6.6351, 0.3210, 0.1542



0.0441, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 19.9254, 0.3049, 0.4951 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 19.9254, 0.3049, 0.4951 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

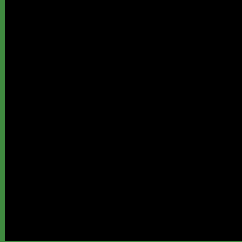
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.9254, 0.3049, 0.4951

Background



This preview shows how black text looks on a background with the Yxy color 19.9254, 0.3049, 0.4951.



This preview shows how white text looks on a background with the Yxy color 19.9254, 0.3049, 0.4951.

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

19.9254, 0.3049, 0.4951

Protanopia

19.7159, 0.4029, 0.4407

Deuteranopia

19.5543, 0.4143, 0.4079



Tritanopia

19.9050, 0.2534, 0.3091

Trichromacy



Original Color

19.9254, 0.3049, 0.4951

Protanomaly

19.3524, 0.3615, 0.4627

Deuteranomaly

18.9361, 0.3679, 0.4396

Tritanomaly

19.7383, 0.2728, 0.3737

Monochromacy



Original Color

19.9254, 0.3049, 0.4951

Achromatopsia

14.9960, 0.3127, 0.3290

Achromatomaly

16.2417, 0.3099, 0.3889

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.9254, 0.3049, 0.4951 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(64, 139, 64)` looks like.

```
.text, #text, p{  
    color:rgb(64, 139, 64)  
}
```

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(64, 139, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 139, 64) }
```

Border

The CSS property to change the border of an element to Yxy 19.9254, 0.3049, 0.4951 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(64, 139, 64) }
```

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

```
.border{ border-color:rgb(64, 139, 64) }
```

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

Here you see how a box with a 4 pixel rgb(64, 139, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 139, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 139, 64);  
box-shadow:4px 4px 4px 4px rgb(64, 139,  
64) }
```


Background

The CSS property to change the background color of an element to Yxy 19.9254, 0.3049, 0.4951 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 139, 64) }
```

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

```
.background{ background-color: rgb(64, 139,  
64) }
```

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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