

Converting Colors

$Y_{xy}(19.2101, 0.2598, 0.4271)$

Have a look what the booklet for
Yxy(19.2101, 0.2598, 0.4271)
contains.

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Color

Yxy(19.2975, 0.2596, 0.4269)

Conversions

Conversions Part 1

Format	Color
Hex	1E8A60
RGB	30, 138, 96
RGB Percent	12%, 54%, 38%
CMY	0.8824, 0.4588, 0.6235
CMYK	0.78, 0.00, 0.30, 0.46
HSL	157°, 64%, 33%
HSV	157°, 78%, 54%
XYZ	11.7349, 19.2975, 14.1714
YIQ	100.9200, -50.8860, -35.9580

Conversions

Conversions Part 2

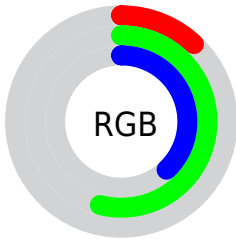
Format	Color
RYB	30, 97, 138
Decimal	2001504
CIELab	51.03, -39.97, 14.22
CIELCh	51, 42.420, 160.415
Yxy	19.2975, 0.2596, 0.4269
Android (android.graphics.Color)	4280191584 (0xFF1E8A60)
YUV	100.9200, -2.4256, -62.1968
Hunter-Lab	43.9289, -29.1922, 11.6234

Details

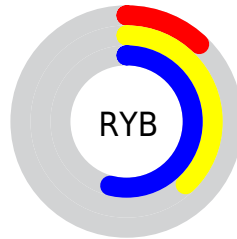
The Yxy color **19.2975, 0.2596, 0.4269** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **6.7999, 0.4710, 0.2644**, and the grayscale version is **13.0084, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.1330, 0.2727, 0.4013**, and **7.0381, 0.2632, 0.4675** is the 20% darker color. If you saturate the color by 10%, you get **19.0387, 0.2593, 0.4416**, and if you desaturate by 10%, it is **19.6556, 0.2619, 0.4122**.

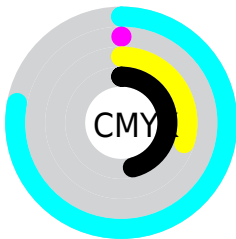
Distribution



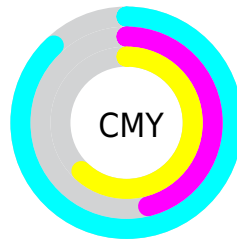
- Red (12%)
- Green (54%)
- Blue (38%)



- Red (12%)
- Yellow (38%)
- Blue (54%)



- Cyan (78%)
- Magenta (0%)
- Yellow (30%)
- Black (46%)




- Cyan (88%)
- Magenta (46%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.2975, 0.2596, 0.4269 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 19.2975, 0.2596, 0.4269 by changing the saturation by 10% instead.

 19.2975, 0.2596,
0.4269


 19.2975, 0.2596,
0.4269


248.0862, 0.2913,
0.3679


 11.8854, 0.2492,
0.4465


 42.2362, 0.2727,
0.4023

 6.6657, 0.2340,
0.4756


 58.5316, 0.2771,
0.3941


 3.2539, 0.2094,
0.5231

 78.5570, 0.2807,
0.3876

 1.2657, 0.1037,
0.7083

 102.6966, 0.2836,
0.3822

 0.1144, 0.0000,
1.0000

 131.3350, 0.2860,
0.3777

 0.0000, 0.0000,
0.0000

 164.8565, 0.2881,

0.3740

203.6454, 0.2898,
0.3707

■ 19.2975, 0.2596,
0.4269

■ 19.2975, 0.2596,
0.4269

■ 19.0387, 0.2593,
0.4416

■ 19.6556, 0.2619,
0.4122

■ 18.8533, 0.2605,
0.4560

■ 20.1213, 0.2659,
0.3978

■ 18.8231, 0.2607,
0.4585

■ 20.7046, 0.2716,
0.3839

■ 21.4138, 0.2786,
0.3707

■ 22.2563, 0.2866,
0.3584

■ 23.2391, 0.2955,
0.3471

■ 24.3684, 0.3048,
0.3368

■ 25.6503, 0.3144,
0.3275

■ 27.0904, 0.3241,
0.3191

Harmonies

Analogous

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



19.2975, 0.3335, 0.4736



19.2975, 0.2596, 0.4269



19.2975, 0.2042, 0.3430

Triad

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



19.2975, 0.2596, 0.4269



19.2975, 0.2154, 0.2095



19.2975, 0.4685, 0.3587

Complementary

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



19.2975, 0.2596, 0.4269



6.7999, 0.4710, 0.2644

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.



19.2975, 0.4303, 0.3021



19.2975, 0.2596, 0.4269



19.2975, 0.2757, 0.2208

Square

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



19.2975, 0.2596, 0.4269



19.2975, 0.1827, 0.2237



19.2975, 0.3555, 0.2535



19.2975, 0.4569, 0.4162

Rectangle

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



19.2975, 0.2596, 0.4269



19.2975, 0.1836, 0.2900



19.2975, 0.3555, 0.2535



19.2975, 0.4612, 0.3394

Sweetspot

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



19.2983, 0.2596, 0.4269



40.0238, 0.2908, 0.3529



19.6958, 0.3341, 0.5445



8.8574, 0.2880, 0.3565



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.



19.2983, 0.2596, 0.4269



33.3070, 0.2603, 0.4527



17.3422, 0.2243, 0.3053



5.6562, 0.3039, 0.3376



17.2602, 0.2606, 0.4580



0.1175, 0.2428, 0.3940

Inverse Universe

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



6.7999, 0.4710, 0.2644



10.2783, 0.5244, 0.2709



7.0692, 0.5595, 0.3439



5.0787, 0.3224, 0.3205



5.1981, 0.5356, 0.2724



0.0373, 0.4339, 0.2164

Previews

White Background



This preview shows how the Yxy color 19.2975, 0.2596, 0.4269 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 19.2975, 0.2596, 0.4269 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 19.2975, 0.2596, 0.4269

Background



This preview shows how black text looks on a background with the Yxy color 19.2975, 0.2596, 0.4269.



This preview shows how white text looks on a background with the Yxy color 19.2975, 0.2596, 0.4269.

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

19.2975, 0.2596, 0.4269

Protanopia

19.1252, 0.3640, 0.3910

Deuteranopia

18.9193, 0.3623, 0.3562



Tritanopia

19.2700, 0.2341, 0.3062

Trichromacy



Original Color

19.2975, 0.2596, 0.4269

Protanomaly

18.3138, 0.3125, 0.4061

Deuteranomaly

17.9688, 0.3102, 0.3817

Tritanomaly

19.1144, 0.2422, 0.3462

Monochromacy



Original Color

19.2975, 0.2596, 0.4269

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

14.4313, 0.2821, 0.3644

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.2975, 0.2596, 0.4269 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(30, 138, 96)` looks like.

```
.text, #text, p{  
    color:rgb(30, 138, 96)  
}
```

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(30, 138, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 138, 96) }
```

Border

The CSS property to change the border of an element to Yxy 19.2975, 0.2596, 0.4269 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(30, 138, 96) }
```

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

```
.border{ border-color:rgb(30, 138, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(30, 138, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 138, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 138, 96);  
box-shadow:4px 4px 4px 4px rgb(30, 138,  
96) }
```


Background

The CSS property to change the background color of an element to Yxy 19.2975, 0.2596, 0.4269 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 138, 96) }
```

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

```
.background{ background-color: rgb(30, 138,  
96) }
```

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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