

Converting Colors

$Yxy(19.2587, 0.2471, 0.3996)$

Have a look what the booklet for
Yxy(19.2587, 0.2471, 0.3996)
contains.

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Color

Yxy(19.3487, 0.2474, 0.4004)

Conversions

Conversions Part 1

Format	Color
Hex	108A6B
RGB	16, 138, 107
RGB Percent	6%, 54%, 42%
CMY	0.9377, 0.4588, 0.5803
CMYK	0.88, 0.00, 0.22, 0.46
HSL	165°, 79%, 30%
HSV	165°, 88%, 54%
XYZ	11.9552, 19.3487, 17.0195
YIQ	97.9880, -62.7610, -35.5050

Conversions

Conversions Part 2

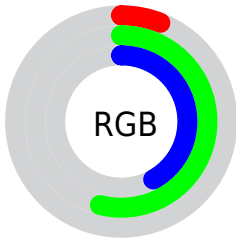
Format	Color
RYB	16, 86, 138
Decimal	1084011
CIELab	51.09, -38.67, 7.94
CIELCh	51, 39.479, 168.395
Yxy	19.3487, 0.2474, 0.4004
Android (android.graphics.Color)	4279274091 (0xFF108A6B)
YUV	97.9880, 4.4429, -71.9035
Hunter-Lab	43.9872, -28.4632, 7.8505

Details

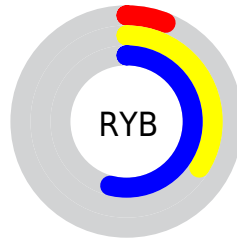
The Yxy color **19.3487, 0.2474, 0.4004** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **5.9750, 0.5481, 0.2930**, and the grayscale version is **12.2034, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.1941, 0.2629, 0.3832**, and **7.1426, 0.2515, 0.4252** is the 20% darker color. If you saturate the color by 10%, you get **19.1815, 0.2475, 0.4096**, and if you desaturate by 10%, it is **19.5868, 0.2488, 0.3912**.

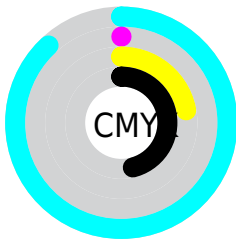
Distribution



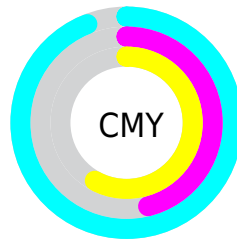
- Red (6%)
- Green (54%)
- Blue (42%)



- Red (6%)
- Yellow (34%)
- Blue (54%)



- Cyan (88%)
- Magenta (0%)
- Yellow (22%)
- Black (46%)




- Cyan (94%)
- Magenta (46%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.3487, 0.2474, 0.4004 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 19.3487, 0.2474, 0.4004 by changing the saturation by 10% instead.


 19.3487, 0.2474,
0.4004


 19.3487, 0.2474,
0.4004


248.3671, 0.2853,
0.3581

 11.9225, 0.2356,
0.4141


 42.3225, 0.2627,
0.3830


 6.6909, 0.2188,
0.4341


 58.6389, 0.2680,
0.3771

 3.2696, 0.1930,
0.4661

 78.6875, 0.2722,
0.3724

 1.2740, 0.0979,
0.5590

 102.8526, 0.2758,
0.3685

 0.1210, 0.0000,
1.0000

 131.5188, 0.2787,
0.3653

 0.0000, 0.0000,
0.0000

 165.0703, 0.2812,

0.3625

203.8916, 0.2834,
0.3601

■ 19.3487, 0.2474,
0.4004

■ 19.3487, 0.2474,
0.4004

■ 19.1815, 0.2475,
0.4096

■ 19.5868, 0.2488,
0.3912

■ 19.1574, 0.2475,
0.4110

■ 19.9179, 0.2521,
0.3820

■ 20.3533, 0.2572,
0.3730

■ 20.9023, 0.2640,
0.3643

■ 21.5729, 0.2722,
0.3559

■ 22.3726, 0.2816,
0.3481

■ 23.3082, 0.2920,
0.3409

■ 24.3860, 0.3030,
0.3342

■ 25.6119, 0.3145,
0.3281

Harmonies

Analogous

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



19.3487, 0.3139, 0.4562



19.3487, 0.2474, 0.4004



19.3487, 0.2018, 0.3219

Triad

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



19.3487, 0.2474, 0.4004



19.3487, 0.2342, 0.2172



19.3487, 0.4596, 0.3727

Complementary

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



19.3487, 0.2474, 0.4004



5.9750, 0.5481, 0.2930

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.



19.3487, 0.4358, 0.3181



19.3487, 0.2474, 0.4004



19.3487, 0.2971, 0.2336

Square

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



19.3487, 0.2474, 0.4004



19.3487, 0.1960, 0.2242



19.3487, 0.3729, 0.2693



19.3487, 0.4383, 0.4251

Rectangle

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



19.3487, 0.2474, 0.4004



19.3487, 0.1872, 0.2766



19.3487, 0.3729, 0.2693



19.3487, 0.4569, 0.3543

Sweetspot

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



19.3495, 0.2474, 0.4004



39.5733, 0.2825, 0.3474



18.8548, 0.3172, 0.5739



8.7780, 0.2797, 0.3496



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.



19.3495, 0.2474, 0.4004



33.7394, 0.2480, 0.4129



12.9906, 0.2093, 0.2634



5.6673, 0.3023, 0.3346



17.5657, 0.2474, 0.4107



0.1191, 0.2356, 0.3680

Inverse Universe

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



5.9750, 0.5481, 0.2930



9.7159, 0.5912, 0.3031



7.2704, 0.5732, 0.3627



5.0681, 0.3243, 0.3235



5.0675, 0.5853, 0.2998



0.0357, 0.4825, 0.2432

Previews

White Background



This preview shows how the Yxy color 19.3487, 0.2474, 0.4004 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 19.3487, 0.2474, 0.4004 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 19.3487, 0.2474, 0.4004

Background



This preview shows how black text looks on a background with the Yxy color 19.3487, 0.2474, 0.4004.



This preview shows how white text looks on a background with the Yxy color 19.3487, 0.2474, 0.4004.

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

19.3487, 0.2474, 0.4004

Protanopia

19.1648, 0.3479, 0.3706

Deuteranopia

19.1267, 0.3437, 0.3382



Tritanopia

19.3466, 0.2295, 0.3061

Trichromacy



Original Color

19.3487, 0.2474, 0.4004

Protanomaly

18.1643, 0.2935, 0.3830

Deuteranomaly

18.0683, 0.2906, 0.3606

Tritanomaly

19.3067, 0.2345, 0.3374

Monochromacy



Original Color

19.3487, 0.2474, 0.4004

Achromatopsia

12.2139, 0.3127, 0.3290

Achromatomaly

13.9788, 0.2723, 0.3578

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.3487, 0.2474, 0.4004 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(16, 138, 107)` looks like.

```
.text, #text, p{  
    color:rgb(16, 138, 107)  
}
```

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(16, 138, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 138, 107) }
```

Border

The CSS property to change the border of an element to Yxy 19.3487, 0.2474, 0.4004 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(16, 138, 107) }
```

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

```
.border{ border-color:rgb(16, 138, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(16, 138, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 138, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 138, 107);  
box-shadow:4px 4px 4px 4px rgb(16, 138,  
107) }
```


Background

The CSS property to change the background color of an element to Yxy 19.3487, 0.2474, 0.4004 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 138, 107) }
```

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

```
.background{ background-color: rgb(16, 138,  
107) }
```

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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