

Converting Colors

$Y_{xy}(18.6311, 0.3322, 0.4327)$

Have a look what the booklet for
Yxy(18.6311, 0.3322, 0.4327)
contains.

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Color

Yxy(18.6977, 0.3329, 0.4337)

Conversions

Conversions Part 1

Format	Color
Hex	64804E
RGB	100, 128, 78
RGB Percent	39%, 50%, 31%
CMY	0.6078, 0.4980, 0.6941
CMYK	0.22, 0.00, 0.39, 0.50
HSL	94°, 24%, 40%
HSV	94°, 39%, 50%
XYZ	14.3520, 18.6977, 10.0624
YIQ	113.9280, -0.6380, -21.4860

Conversions

Conversions Part 2

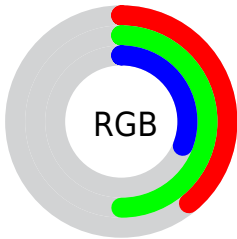
Format	Color
RYB	78, 128, 106
Decimal	6586446
CIELab	50.33, -19.66, 23.94
CIElCh	50, 30.979, 129.389
Yxy	18.6977, 0.3329, 0.4337
Android (android.graphics.Color)	4284776526 (0xFF64804E)
YUV	113.9280, -17.7125, -12.2149
Hunter-Lab	43.2408, -16.4258, 16.4715

Details

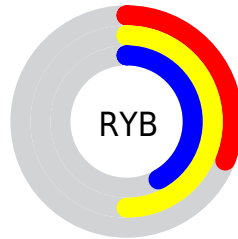
The Yxy color **18.6977, 0.3329, 0.4337** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **10.0723, 0.2834, 0.2272**, and the grayscale version is **16.8606, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.2817, 0.3295, 0.4076**, and **6.4263, 0.3371, 0.4843** is the 20% darker color. If you saturate the color by 10%, you get **18.1416, 0.3365, 0.4633**, and if you desaturate by 10%, it is **19.3271, 0.3283, 0.4046**.

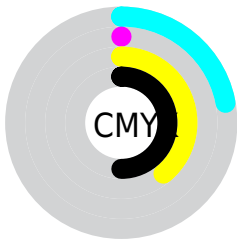
Distribution



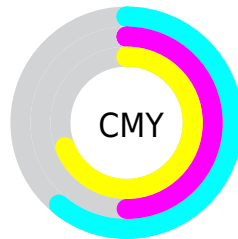
- Red (39%)
- Green (50%)
- Blue (31%)



- Red (31%)
- Yellow (50%)
- Blue (42%)



- Cyan (22%)
- Magenta (0%)
- Yellow (39%)
- Black (50%)




- Cyan (61%)
- Magenta (50%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.6977, 0.3329, 0.4337 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 18.6977, 0.3329, 0.4337 by changing the saturation by 10% instead.


 18.6977, 0.3329,
0.4337


 18.6977, 0.3329,
0.4337


244.7748, 0.3229,
0.3713


 11.4520, 0.3348,
0.4538


 41.2227, 0.3295,
0.4080


 6.3718, 0.3364,
0.4830


 57.2707, 0.3281,
0.3993


 3.0724, 0.3366,
0.5295

 77.0218, 0.3269,
0.3923

 1.1697, 0.3417,
0.6583

 100.8601, 0.3259,
0.3866

 0.0367, 0.0000,
1.0000

 129.1702, 0.3250,
0.3818

 0.0000, 0.0000,
0.0000

162.3364, 0.3242,

0.3778

200.7431, 0.3235,
0.3743

■ 18.6977, 0.3329,
0.4337

■ 18.6977, 0.3329,
0.4337

■ 18.1416, 0.3365,
0.4633

■ 19.3271, 0.3283,
0.4046

■ 17.6533, 0.3389,
0.4921

■ 20.0302, 0.3232,
0.3767

■ 17.2305, 0.3396,
0.5187


■ 20.8103, 0.3177,
0.3507


■ 16.8695, 0.3385,
0.5418


■ 21.6701, 0.3122,
0.3268

■ 16.5663, 0.3355,
0.5600


■ 22.6118, 0.3067,
0.3051

 16.3114, 0.3314,
0.5741

 23.6378, 0.3014,
0.2856

 16.2889, 0.3310,
0.5754

 24.7502, 0.2964,
0.2681

 25.9511, 0.2917,
0.2526

 27.2425, 0.2872,
0.2387

Harmonies

Analogous

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



18.6977, 0.3868, 0.4293



18.6977, 0.3329, 0.4337



18.6977, 0.2763, 0.4007

Triad

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



18.6977, 0.3329, 0.4337



18.6977, 0.2120, 0.2506



18.6977, 0.3979, 0.3087

Complementary

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



18.6977, 0.3329, 0.4337



10.0723, 0.2834, 0.2272

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.



18.6977, 0.3432, 0.2702



18.6977, 0.3329, 0.4337



18.6977, 0.2375, 0.2371

Square

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



18.6977, 0.3329, 0.4337



18.6977, 0.2099, 0.2871



18.6977, 0.2840, 0.2447



18.6977, 0.4278, 0.3536

Rectangle

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



18.6977, 0.3329, 0.4337



18.6977, 0.2447, 0.3632



18.6977, 0.2840, 0.2447



18.6977, 0.3815, 0.2948

Sweetspot

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



18.6985, 0.3329, 0.4337



36.1835, 0.3195, 0.3589



15.3454, 0.3837, 0.3828



8.4377, 0.3201, 0.3616



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



18.6985, 0.3329, 0.4337



32.0323, 0.3362, 0.4604



17.6446, 0.3050, 0.4366



4.9042, 0.3178, 0.3508



16.1531, 0.3310, 0.5754



0.0000, 0.0000, 0.0000

Inverse Universe

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



10.0723, 0.2834, 0.2272



14.5594, 0.2743, 0.2021



11.5329, 0.3208, 0.2409



4.3211, 0.3073, 0.3073



2.8985, 0.2173, 0.0971



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 18.6977, 0.3329, 0.4337 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 18.6977, 0.3329, 0.4337 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

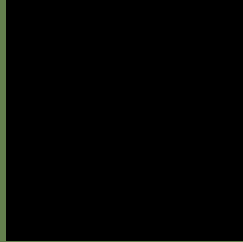
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.6977, 0.3329, 0.4337

Background



This preview shows how black text looks on a background with the Yxy color 18.6977, 0.3329, 0.4337.



This preview shows how white text looks on a background with the Yxy color 18.6977, 0.3329, 0.4337.

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

18.6977, 0.3329, 0.4337

Protanopia

18.4475, 0.3808, 0.4114

Deuteranopia

18.4683, 0.3951, 0.3875



Tritanopia

18.7459, 0.2865, 0.3116

Trichromacy



Original Color

18.6977, 0.3329, 0.4337

Protanomaly

18.3628, 0.3625, 0.4194

Deuteranomaly

18.2849, 0.3707, 0.4035

Tritanomaly

18.5884, 0.3033, 0.3532

Monochromacy



Original Color

18.6977, 0.3329, 0.4337

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

17.3844, 0.3211, 0.3660

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.6977, 0.3329, 0.4337 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(100, 128, 78)` looks like.

```
.text, #text, p{  
    color:rgb(100, 128, 78)  
}
```

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(100, 128, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 128, 78) }
```

Border

The CSS property to change the border of an element to Yxy 18.6977, 0.3329, 0.4337 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(100, 128, 78) }
```

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

```
.border{ border-color:rgb(100, 128, 78) }
```

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

Here you see how a box with a 4 pixel rgb(100, 128, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 128, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 128, 78);  
box-shadow:4px 4px 4px 4px rgb(100, 128,  
78) }
```


Background

The CSS property to change the background color of an element to Yxy 18.6977, 0.3329, 0.4337 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 128, 78) }
```

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

```
.background{ background-color: rgb(100,  
128, 78) }
```

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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