

Converting Colors

$Yxy(18.4636, 0.3361, 0.4304)$

Have a look what the booklet for
Yxy(18.4636, 0.3361, 0.4304)
contains.

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Color

Yxy(18.5536, 0.3357, 0.4312)

Conversions

Conversions Part 1

Format	Color
Hex	667F4E
RGB	102, 127, 78
RGB Percent	40%, 50%, 31%
CMY	0.6000, 0.5020, 0.6941
CMYK	0.20, 0.00, 0.39, 0.50
HSL	91°, 24%, 40%
HSV	91°, 39%, 50%
XYZ	14.4444, 18.5536, 10.0298
YIQ	113.9390, 0.8290, -20.5390

Conversions

Conversions Part 2

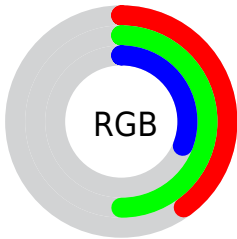
Format	Color
R_{YB}	78, 127, 103
Decimal	6717262
CIE _{Lab}	50.16, -18.35, 23.75
CIE _{LCh}	50, 30.011, 127.700
Yxy	18.5536, 0.3357, 0.4312
Android (android.graphics.Color)	4284907342 (0xFF667F4E)
YUV	113.9390, -17.7179, -10.4705
Hunter-Lab	43.0739, -15.5209, 16.3460

Details

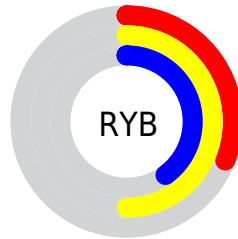
The Yxy color **18.5536, 0.3357, 0.4312** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **9.8674, 0.2802, 0.2276**, and the grayscale version is **16.8626, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.0711, 0.3315, 0.4059**, and **6.3373, 0.3415, 0.4802** is the 20% darker color. If you saturate the color by 10%, you get **18.0254, 0.3402, 0.4601**, and if you desaturate by 10%, it is **19.1482, 0.3303, 0.4026**.

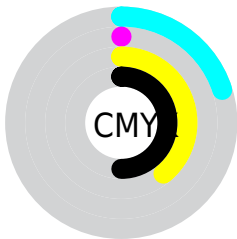
Distribution



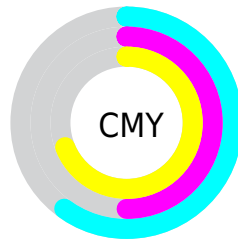
- Red (40%)
- Green (50%)
- Blue (31%)



- Red (31%)
- Yellow (50%)
- Blue (40%)



- Cyan (20%)
- Magenta (0%)
- Yellow (39%)
- Black (50%)




- Cyan (60%)
- Magenta (50%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.5536, 0.3357, 0.4312 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 18.5536, 0.3357, 0.4312 by changing the saturation by 10% instead.


 18.5536, 0.3357,
0.4312

 18.5536, 0.3357,
0.4312


243.9732, 0.3240,
0.3703


 11.3482, 0.3382,
0.4508


 40.9784, 0.3316,
0.4062


 6.3015, 0.3407,
0.4791


 56.9666, 0.3300,
0.3977


 3.0293, 0.3423,
0.5244

 76.6511, 0.3286,
0.3909

 1.1470, 0.3513,
0.6487

 100.4164, 0.3274,
0.3853

 0.0178, 0.0000,
1.0000

 128.6469, 0.3264,
0.3806

 0.0000, 0.0000,
0.0000

161.7269, 0.3255,

0.3767

200.0409, 0.3247,
0.3733

■ 18.5536, 0.3357,
0.4312

■ 18.5536, 0.3357,
0.4312

■ 18.0254, 0.3402,
0.4601

■ 19.1482, 0.3303,
0.4026

■ 17.5586, 0.3433,
0.4882

■ 19.8093, 0.3243,
0.3752

■ 17.1508, 0.3448,
0.5142


■ 20.5401, 0.3181,
0.3495


■ 16.7990, 0.3443,
0.5367

■ 21.3428, 0.3118,
0.3257


■ 16.4995, 0.3418,
0.5546

■ 22.2197, 0.3057,
0.3041

 16.2438, 0.3379,
0.5684

 23.1726, 0.2997,
0.2846

 16.2096, 0.3374,
0.5703

 24.2035, 0.2941,
0.2670

 25.3144, 0.2888,
0.2513

 26.5070, 0.2838,
0.2373

Harmonies

Analogous

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



18.5536, 0.3875, 0.4254



18.5536, 0.3357, 0.4312



18.5536, 0.2804, 0.4011

Triad

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



18.5536, 0.3357, 0.4312



18.5536, 0.2138, 0.2542



18.5536, 0.3929, 0.3070

Complementary

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



18.5536, 0.3357, 0.4312



9.8674, 0.2802, 0.2276

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.



18.5536, 0.3390, 0.2699



18.5536, 0.3357, 0.4312



18.5536, 0.2375, 0.2396

Square

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



18.5536, 0.3357, 0.4312



18.5536, 0.2131, 0.2911



18.5536, 0.2818, 0.2459



18.5536, 0.4237, 0.3507

Rectangle

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



18.5536, 0.3357, 0.4312



18.5536, 0.2489, 0.3655



18.5536, 0.2818, 0.2459



18.5536, 0.3766, 0.2935

Sweetspot

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



18.5544, 0.3357, 0.4312



36.2806, 0.3204, 0.3588



14.6653, 0.3843, 0.3775



8.4622, 0.3211, 0.3615



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.



18.5544, 0.3357, 0.4312



32.4111, 0.3396, 0.4558



17.3498, 0.3075, 0.4406



4.9140, 0.3184, 0.3508



16.3464, 0.3373, 0.5704



0.0000, 0.0000, 0.0000

Inverse Universe

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



9.8674, 0.2802, 0.2276



14.5946, 0.2708, 0.2033



11.4952, 0.3170, 0.2380



4.3111, 0.3066, 0.3072



2.6715, 0.2074, 0.0916



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 18.5536, 0.3357, 0.4312 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 18.5536, 0.3357, 0.4312 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

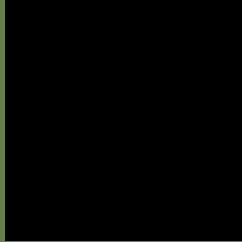
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

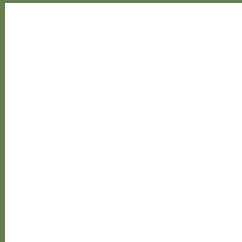
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 18.5536, 0.3357, 0.4312

Background



This preview shows how black text looks on a background with the Yxy color 18.5536, 0.3357, 0.4312.



This preview shows how white text looks on a background with the Yxy color 18.5536, 0.3357, 0.4312.

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

18.5536, 0.3357, 0.4312

Protanopia

18.4475, 0.3808, 0.4114

Deuteranopia

18.3795, 0.3937, 0.3879



Tritanopia

18.6014, 0.2898, 0.3116

Trichromacy



Original Color

18.5536, 0.3357, 0.4312

Protanomaly

18.4339, 0.3639, 0.4190

Deuteranomaly

18.2849, 0.3707, 0.4035

Tritanomaly

18.4394, 0.3068, 0.3532

Monochromacy



Original Color

18.5536, 0.3357, 0.4312

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

17.4482, 0.3224, 0.3658

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.5536, 0.3357, 0.4312 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(102, 127, 78)` looks like.

```
.text, #text, p{  
    color:rgb(102, 127, 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(102, 127, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 127, 78) }
```

Border

The CSS property to change the border of an element to Yxy 18.5536, 0.3357, 0.4312 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(102, 127, 78) }
```

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

```
.border{ border-color:rgb(102, 127, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 127, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 127, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 127, 78);  
box-shadow:4px 4px 4px 4px rgb(102, 127,  
78) }
```


Background

The CSS property to change the background color of an element to Yxy 18.5536, 0.3357, 0.4312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 127, 78) }
```

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

```
.background{ background-color: rgb(102,  
127, 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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