

Converting Colors

$Y_{xy}(18.5400, 0.3344, 0.4361)$

Have a look what the booklet for
Yxy(18.5400, 0.3344, 0.4361)
contains.

Yxy(18.6695, 0.3349, 0.4379)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(18.6695, 0.3349, 0.4379)

Conversions

Conversions Part 1

Format	Color
Hex	64804C
RGB	100, 128, 76
RGB Percent	39%, 50%, 30%
CMY	0.6079, 0.4980, 0.7020
CMYK	0.22, 0.00, 0.41, 0.50
HSL	92°, 25%, 40%
HSV	92°, 41%, 50%
XYZ	14.2782, 18.6695, 9.6865
YIQ	113.7000, 0.0040, -22.1080

Conversions

Conversions Part 2

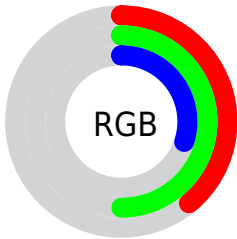
Format	Color
R_{YB}	76, 128, 104
Decimal	6586444
CIE _{Lab}	50.30, -19.97, 25.03
CIE _{LCh}	50, 32.018, 128.593
Yxy	18.6695, 0.3349, 0.4379
Android (android.graphics.Color)	4284776524 (0xFF64804C)
YUV	113.7000, -18.5861, -12.0149
Hunter-Lab	43.2082, -16.6289, 16.9540

Details

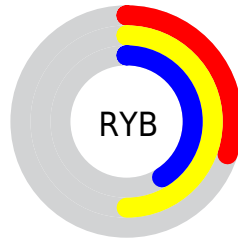
The Yxy color **18.6695, 0.3349, 0.4379** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **9.6696, 0.2802, 0.2223**, and the grayscale version is **16.7890, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.2295, 0.3310, 0.4106**, and **6.4158, 0.3396, 0.4900** is the 20% darker color. If you saturate the color by 10%, you get **18.1331, 0.3387, 0.4671**, and if you desaturate by 10%, it is **19.2763, 0.3301, 0.4089**.

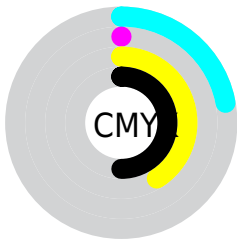
Distribution



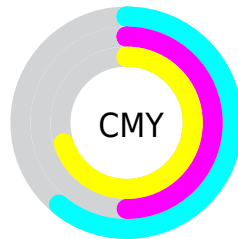
- Red (39%)
- Green (50%)
- Blue (30%)



- Red (30%)
- Yellow (50%)
- Blue (41%)



- Cyan (22%)
- Magenta (0%)
- Yellow (41%)
- Black (50%)




- Cyan (61%)
- Magenta (50%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.6695, 0.3349, 0.4379 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 18.6695, 0.3349, 0.4379 by changing the saturation by 10% instead.


 18.6695, 0.3349,
0.4379


 18.6695, 0.3349,
0.4379


244.6181, 0.3239,
0.3730


 11.4317, 0.3370,
0.4588


 41.1749, 0.3312,
0.4112

 6.3580, 0.3387,
0.4890


 57.2113, 0.3297,
0.4021


 3.0640, 0.3395,
0.5381

 76.9493, 0.3283,
0.3949

 1.1652, 0.3384,
0.6616

 100.7734, 0.3272,
0.3889

 0.0330, 0.0000,
1.0000

 129.0679, 0.3262,
0.3839

 0.0000, 0.0000,
0.0000

162.2173, 0.3253,

0.3797

200.6059, 0.3246,
0.3761

■ 18.6695, 0.3349,
0.4379

■ 18.6695, 0.3349,
0.4379

■ 18.1331, 0.3387,
0.4671

■ 19.2763, 0.3301,
0.4089

■ 17.6616, 0.3411,
0.4954

■ 19.9537, 0.3247,
0.3809

■ 17.2527, 0.3418,
0.5212


■ 20.7051, 0.3189,
0.3547


■ 16.9028, 0.3406,
0.5433

■ 21.5329, 0.3131,
0.3305

■ 16.6080, 0.3375,
0.5604


■ 22.4394, 0.3073,
0.3084

 16.3716, 0.3336,
0.5733

 23.4269, 0.3017,
0.2885

 24.4974, 0.2963,
0.2706

 25.6529, 0.2913,
0.2547

 26.8954, 0.2866,
0.2405

Harmonies

Analogous

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



18.6695, 0.3903, 0.4319



18.6695, 0.3349, 0.4379



18.6695, 0.2764, 0.4047

Triad

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



18.6695, 0.3349, 0.4379



18.6695, 0.2086, 0.2487



18.6695, 0.3995, 0.3067

Complementary

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



18.6695, 0.3349, 0.4379



9.6696, 0.2802, 0.2223

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.



18.6695, 0.3424, 0.2675



18.6695, 0.3349, 0.4379



18.6695, 0.2342, 0.2344

Square

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



18.6695, 0.3349, 0.4379



18.6695, 0.2070, 0.2868



18.6695, 0.2814, 0.2418



18.6695, 0.4313, 0.3528

Rectangle

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



18.6695, 0.3349, 0.4379



18.6695, 0.2436, 0.3660



18.6695, 0.2814, 0.2418



18.6695, 0.3823, 0.2925

Sweetspot

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



18.6703, 0.3349, 0.4379



36.2249, 0.3199, 0.3589



14.9580, 0.3878, 0.3834



8.4481, 0.3205, 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.



18.6703, 0.3349, 0.4379



31.9683, 0.3385, 0.4657



17.5220, 0.3055, 0.4437



4.9084, 0.3180, 0.3508



16.2329, 0.3337, 0.5733



0.0000, 0.0000, 0.0000

Inverse Universe

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



9.6696, 0.2802, 0.2223



13.7781, 0.2701, 0.1957



11.2706, 0.3198, 0.2361



4.3168, 0.3070, 0.3073



2.7985, 0.2130, 0.0947



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 18.6695, 0.3349, 0.4379 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 18.6695, 0.3349, 0.4379 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 18.6695, 0.3349, 0.4379

Background



This preview shows how black text looks on a background with the Yxy color 18.6695, 0.3349, 0.4379.



This preview shows how white text looks on a background with the Yxy color 18.6695, 0.3349, 0.4379.

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

18.6695, 0.3349, 0.4379

Protanopia

18.4205, 0.3831, 0.4150

Deuteranopia

18.4388, 0.3977, 0.3910



Tritanopia

18.5016, 0.2864, 0.3096

Trichromacy



Original Color

18.6695, 0.3349, 0.4379

Protanomaly

18.3354, 0.3648, 0.4232

Deuteranomaly

18.2557, 0.3731, 0.4072

Tritanomaly

18.5663, 0.3043, 0.3553

Monochromacy



Original Color

18.6695, 0.3349, 0.4379

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

17.3650, 0.3223, 0.3681

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.6695, 0.3349, 0.4379 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, 76)` looks like.

```
.text, #text, p{  
    color:rgb(100, 128, 76)  
}
```

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, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 128, 76) }
```

Border

The CSS property to change the border of an element to Yxy 18.6695, 0.3349, 0.4379 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, 76) }
```

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

```
.border{ border-color:rgb(100, 128, 76) }
```

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, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 128, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 128, 76);  
box-shadow:4px 4px 4px 4px rgb(100, 128,  
76) }
```


Background

The CSS property to change the background color of an element to Yxy 18.6695, 0.3349, 0.4379 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, 76) }
```

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

```
.background{ background-color: rgb(100,  
128, 76) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor