

Converting Colors

$Y_{xy}(18.4187, 0.3163, 0.3395)$

Have a look what the booklet for
Yxy(18.4187, 0.3163, 0.3395)
contains.

Yxy(18.4994, 0.3172, 0.3406)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(18.4994, 0.3172, 0.3406)

Conversions

Conversions Part 1

Format	Color
Hex	767872
RGB	118, 120, 114
RGB Percent	46%, 47%, 45%
CMY	0.5371, 0.5294, 0.5529
CMYK	0.02, 0.00, 0.05, 0.53
HSL	80°, 3%, 46%
HSV	80°, 5%, 47%
XYZ	17.2284, 18.4994, 18.5863
YIQ	118.7180, 0.7340, -2.2900

Conversions

Conversions Part 2

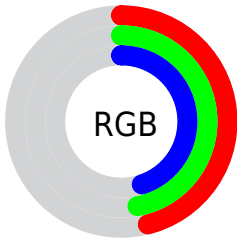
Format	Color
R_{YB}	114, 120, 116
Decimal	7764082
CIE _{Lab}	50.10, -1.93, 3.01
CIE _{LCh}	50, 3.578, 122.613
Yxy	18.4994, 0.3172, 0.3406
Android (android.graphics.Color)	4285954162 (0xFF767872)
YUV	118.7180, -2.3260, -0.6297
Hunter-Lab	43.0109, -3.7692, 4.4867

Details

The Yxy color **18.4994, 0.3172, 0.3406** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **17.1053, 0.3081, 0.3173**, and the grayscale version is **18.3632, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.8043, 0.3159, 0.3373**, and **6.3302, 0.3197, 0.3473** is the 20% darker color. If you saturate the color by 10%, you get **17.9743, 0.3263, 0.3651**, and if you desaturate by 10%, it is **19.0735, 0.3083, 0.3177**.

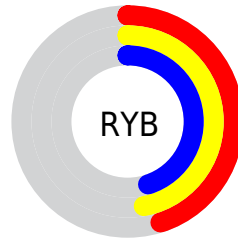
Distribution



Red (46%)

Green (47%)

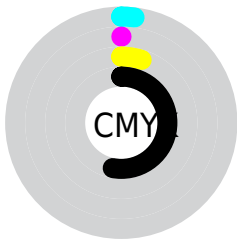
Blue (45%)



Red (45%)

Yellow (47%)

Blue (45%)

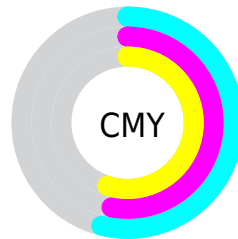


Cyan (2%)

Magenta (0%)

Yellow (5%)

Black (53%)



Cyan (54%)


Magenta (53%)


Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.4994, 0.3172, 0.3406 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 18.4994, 0.3172, 0.3406 by changing the saturation by 10% instead.


 18.4994, 0.3172,
0.3406


 18.4994, 0.3172,
0.3406


243.6710, 0.3146,
0.3339


 11.3091, 0.3180,
0.3427


 40.8865, 0.3162,
0.3379


 6.2752, 0.3191,
0.3457


 56.8521, 0.3158,
0.3370

 3.0131, 0.3208,
0.3504

 76.5115, 0.3155,
0.3362

 1.1386, 0.3238,
0.3588

 100.2493, 0.3153,
0.3356

 0.0107, 0.0000,
1.0000

128.4497, 0.3151,
0.3351

 0.0000, 0.0000,
0.0000

161.4972, 0.3149,

0.3346

199.7762, 0.3148,
0.3342

■ 18.4994, 0.3172,
0.3406

■ 18.4994, 0.3172,
0.3406

■ 17.9743, 0.3263,
0.3651

■ 19.0735, 0.3083,
0.3177

■ 17.4942, 0.3353,
0.3908

■ 19.6957, 0.2997,
0.2966

■ 17.0584, 0.3439,
0.4173

■ 20.3681, 0.2915,
0.2774

■ 16.6651, 0.3518,
0.4438

■ 21.0920, 0.2838,
0.2598

■ 16.3125, 0.3584,
0.4694

■ 21.8687, 0.2766,
0.2440

■ 15.9985, 0.3633,
0.4931

■ 22.6994, 0.2700,
0.2297

■ 15.7209, 0.3663,
0.5137

■ 23.5853, 0.2639,
0.2169

■ 15.4772, 0.3670,
0.5304

■ 24.5275, 0.2582,
0.2053

■ 15.2634, 0.3655,
0.5428

■ 25.5272, 0.2530,
0.1949

Harmonies

Analogous

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



18.4994, 0.3229, 0.3403



18.4994, 0.3172, 0.3406



18.4994, 0.3103, 0.3377

Triad

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



18.4994, 0.3172, 0.3406



18.4994, 0.2997, 0.3209



18.4994, 0.3213, 0.3256

Complementary

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



18.4994, 0.3172, 0.3406



17.1053, 0.3081, 0.3173

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.



18.4994, 0.3150, 0.3206



18.4994, 0.3172, 0.3406



18.4994, 0.3026, 0.3178

Square

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



18.4994, 0.3172, 0.3406



18.4994, 0.3003, 0.3262



18.4994, 0.3082, 0.3177



18.4994, 0.3253, 0.3316

Rectangle

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



18.4994, 0.3172, 0.3406



18.4994, 0.3060, 0.3343



18.4994, 0.3082, 0.3177



18.4994, 0.3194, 0.3238

Sweetspot

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



18.5002, 0.3172, 0.3406



32.9315, 0.3136, 0.3314



17.6773, 0.3203, 0.3327



7.8063, 0.3136, 0.3312



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



18.5002, 0.3172, 0.3406



32.4305, 0.3183, 0.3434



18.2989, 0.3135, 0.3407



4.6077, 0.3184, 0.3439



16.5351, 0.3643, 0.5489



78.3969, 0.3615, 0.5511

Inverse Universe

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



17.1053, 0.3081, 0.3173



29.4260, 0.3070, 0.3145



17.3084, 0.3118, 0.3175



4.1663, 0.3068, 0.3140



1.9517, 0.1769, 0.0748



8.8925, 0.1722, 0.0722

Previews

White Background



This preview shows how the Yxy color 18.4994, 0.3172, 0.3406 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 18.4994, 0.3172, 0.3406 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

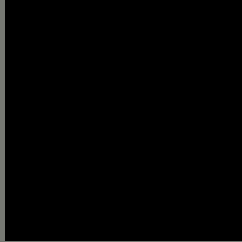
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

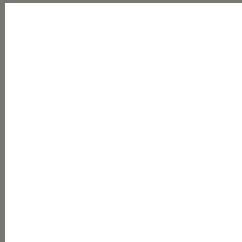
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 18.4994, 0.3172, 0.3406

Background



This preview shows how black text looks on a background with the Yxy color 18.4994, 0.3172, 0.3406.



This preview shows how white text looks on a background with the Yxy color 18.4994, 0.3172, 0.3406.

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

18.4994, 0.3172, 0.3406

Protanopia

18.5969, 0.3249, 0.3405

Deuteranopia

18.4048, 0.3351, 0.3291



Tritanopia

18.4822, 0.3048, 0.3120

Trichromacy



Original Color

18.4994, 0.3172, 0.3406

Protanomaly

18.4509, 0.3223, 0.3406

Deuteranomaly

18.4724, 0.3280, 0.3328

Tritanomaly

18.5207, 0.3093, 0.3233

Monochromacy



Original Color

18.4994, 0.3172, 0.3406

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

18.3999, 0.3150, 0.3329

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.4994, 0.3172, 0.3406 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(118, 120, 114)` looks like.

```
.text, #text, p{  
    color:rgb(118, 120, 114)  
}
```

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(118, 120, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 120, 114) }
```

Border

The CSS property to change the border of an element to Yxy 18.4994, 0.3172, 0.3406 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(118, 120, 114) }
```

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

```
.border{ border-color:rgb(118, 120, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 120, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 120, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 120, 114);  
box-shadow:4px 4px 4px 4px rgb(118, 120,  
114) }
```


Background

The CSS property to change the background color of an element to Yxy 18.4994, 0.3172, 0.3406 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 120, 114) }
```

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

```
.background{ background-color: rgb(118,  
120, 114) }
```

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