

Converting Colors

$Y_{xy}(18.3387, 0.3128, 0.3692)$

Have a look what the booklet for
Yxy(18.3387, 0.3128, 0.3692)
contains.

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Color

Yxy(18.4790, 0.3132, 0.3698)

Conversions

Conversions Part 1

Format	Color
Hex	6A7C68
RGB	106, 124, 104
RGB Percent	42%, 49%, 41%
CMY	0.5843, 0.5137, 0.5921
CMYK	0.15, 0.00, 0.16, 0.51
HSL	114°, 9%, 45%
HSV	114°, 16%, 49%
XYZ	15.6507, 18.4790, 15.8406
YIQ	116.3380, -4.3080, -10.0360

Conversions

Conversions Part 2

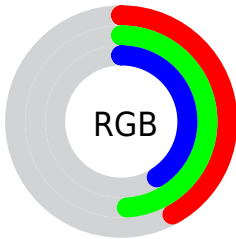
Format	Color
RYB	104, 124, 122
Decimal	6978664
CIELab	50.07, -10.74, 8.73
CIELCh	50, 13.840, 140.897
Yxy	18.4790, 0.3132, 0.3698
Android (android.graphics.Color)	4285168744 (0xFF6A7C68)
YUV	116.3380, -6.0826, -9.0664
Hunter-Lab	42.9872, -10.2397, 8.2430

Details

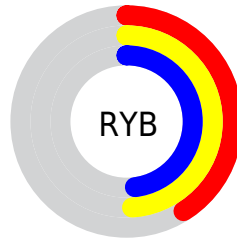
The Yxy color **18.4790, 0.3132, 0.3698** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.4957, 0.3118, 0.2907**, and the grayscale version is **17.5949, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.9789, 0.3130, 0.3608**, and **6.2574, 0.3136, 0.3880** is the 20% darker color. If you saturate the color by 10%, you get **17.6060, 0.3132, 0.3989**, and if you desaturate by 10%, it is **19.4797, 0.3129, 0.3436**.

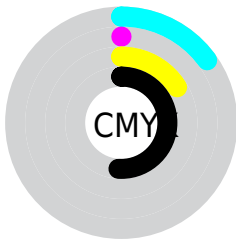
Distribution



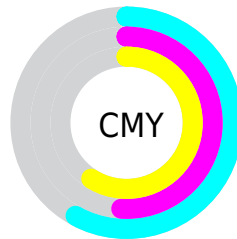
- Red (42%)
- Green (49%)
- Blue (41%)



- Red (41%)
- Yellow (49%)
- Blue (48%)



- Cyan (15%)
- Magenta (0%)
- Yellow (16%)
- Black (51%)



- Cyan (58%)
- Magenta (51%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.4790, 0.3132, 0.3698 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 18.4790, 0.3132, 0.3698 by changing the saturation by 10% instead.

■ 18.4790, 0.3132,
0.3698

■ 18.4790, 0.3132,
0.3698

243.5572, 0.3132,
0.3458

■ 11.2944, 0.3131,
0.3775

■ 40.8519, 0.3133,
0.3600

■ 6.2652, 0.3127,
0.3888

■ 56.8089, 0.3133,
0.3566

■ 3.0070, 0.3119,
0.4068

■ 76.4590, 0.3133,
0.3539

■ 1.1354, 0.3144,
0.4476

■ 100.1863, 0.3132,
0.3517

■ 0.0080, 0.0000,
1.0000

128.3755, 0.3132,
0.3499

■ 0.0000, 0.0000,
0.0000

161.4107, 0.3132,

0.3483

199.6765, 0.3132,
0.3470

■ 18.4790, 0.3132,
0.3698

■ 18.4790, 0.3132,
0.3698

■ 17.6060, 0.3132,
0.3989

■ 19.4797, 0.3129,
0.3436

■ 16.8533, 0.3130,
0.4305

■ 20.6105, 0.3125,
0.3203

■ 16.2163, 0.3124,
0.4636

■ 21.8766, 0.3120,
0.2999

■ 15.6892, 0.3114,
0.4970

■ 23.2824, 0.3115,
0.2821

■ 15.2659, 0.3099,
0.5286

■ 24.8318, 0.3109,
0.2666

■ 14.9393, 0.3080,
0.5561

■ 26.5289, 0.3103,
0.2532

■ 14.7018, 0.3059,
0.5776

■ 28.3775, 0.3097,
0.2415

■ 14.5427, 0.3038,
0.5923

■ 30.3810, 0.3091,
0.2313

■ 14.4967, 0.3034,
0.5973

■ 32.5432, 0.3086,
0.2225

Harmonies

Analogous

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



18.4790, 0.3390, 0.3759



18.4790, 0.3132, 0.3698



18.4790, 0.2880, 0.3512

Triad

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



18.4790, 0.3132, 0.3698



18.4790, 0.2685, 0.2892



18.4790, 0.3573, 0.3290

Complementary

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



18.4790, 0.3132, 0.3698



15.4957, 0.3118, 0.2907

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.



18.4790, 0.3369, 0.3080



18.4790, 0.3132, 0.3698



18.4790, 0.2856, 0.2854

Square

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



18.4790, 0.3132, 0.3698



18.4790, 0.2629, 0.3037



18.4790, 0.3105, 0.2923



18.4790, 0.3652, 0.3509

Rectangle

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



18.4790, 0.3132, 0.3698



18.4790, 0.2748, 0.3349



18.4790, 0.3105, 0.2923



18.4790, 0.3516, 0.3217

Sweetspot

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



18.4798, 0.3132, 0.3698



34.4680, 0.3129, 0.3411



19.2046, 0.3363, 0.3634



8.0919, 0.3129, 0.3425



63.8283, 0.3127, 0.3290



8.3535, 0.3127, 0.3290

Same Dimension

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



18.4798, 0.3132, 0.3698



31.9832, 0.3132, 0.3792



18.5294, 0.3021, 0.3533



4.4673, 0.3130, 0.3510



14.7361, 0.3034, 0.5973



70.1127, 0.3018, 0.5985

Inverse Universe

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



15.4957, 0.3118, 0.2907



25.7890, 0.3115, 0.2826



15.4486, 0.3250, 0.3059



4.0582, 0.3123, 0.3078



4.9562, 0.2967, 0.1408



23.4317, 0.2954, 0.1401

Previews

White Background



This preview shows how the Yxy color 18.4790, 0.3132, 0.3698 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 18.4790, 0.3132, 0.3698 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

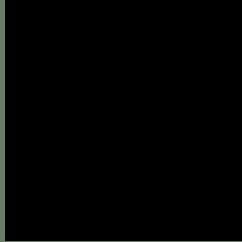
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.4790, 0.3132, 0.3698

Background



This preview shows how black text looks on a background with the Yxy color 18.4790, 0.3132, 0.3698.



This preview shows how white text looks on a background with the Yxy color 18.4790, 0.3132, 0.3698.

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

18.4790, 0.3132, 0.3698

Protanopia

18.4932, 0.3422, 0.3636

Deuteranopia

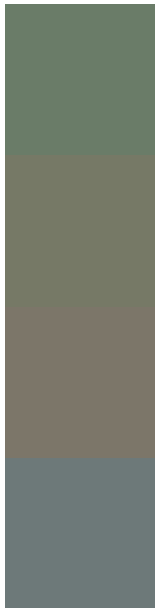
18.4530, 0.3507, 0.3456



Tritanopia

18.3596, 0.2897, 0.3096

Trichromacy



Original Color

18.4790, 0.3132, 0.3698

Protanomaly

18.4856, 0.3312, 0.3664

Deuteranomaly

18.2619, 0.3362, 0.3541

Tritanomaly

18.3064, 0.2982, 0.3290

Monochromacy



Original Color

18.4790, 0.3132, 0.3698

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

17.8082, 0.3121, 0.3430

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.4790, 0.3132, 0.3698 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(106, 124, 104)` looks like.

```
.text, #text, p{  
    color:rgb(106, 124, 104)  
}
```

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(106, 124, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 124, 104) }
```

Border

The CSS property to change the border of an element to Yxy 18.4790, 0.3132, 0.3698 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(106, 124, 104) }
```

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

```
.border{ border-color:rgb(106, 124, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 124, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 124, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 124, 104);  
box-shadow:4px 4px 4px 4px rgb(106, 124,  
104) }
```


Background

The CSS property to change the background color of an element to Yxy 18.4790, 0.3132, 0.3698 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 124, 104) }
```

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

```
.background{ background-color: rgb(106,  
124, 104) }
```

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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