

Converting Colors

$Y_{xy}(18.6111, 0.3142, 0.3533)$

Have a look what the booklet for
Yxy(18.6111, 0.3142, 0.3533)
contains.

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Color

Yxy(18.4896, 0.3141, 0.3529)

Conversions

Conversions Part 1

Format	Color
Hex	707A6E
RGB	112, 122, 110
RGB Percent	44%, 48%, 43%
CMY	0.5607, 0.5216, 0.5687
CMYK	0.08, 0.00, 0.10, 0.52
HSL	110°, 5%, 45%
HSV	110°, 10%, 48%
XYZ	16.4567, 18.4896, 17.4470
YIQ	117.6420, -2.1080, -5.8520

Conversions

Conversions Part 2

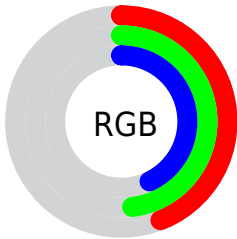
Format	Color
RYB	110, 122, 120
Decimal	7371374
CIELab	50.08, -6.17, 5.31
CIElCh	50, 8.138, 139.280
Yxy	18.4896, 0.3141, 0.3529
Android (android.graphics.Color)	4285561454 (0xFF707A6E)
YUV	117.6420, -3.7675, -4.9480
Hunter-Lab	42.9995, -6.9338, 6.0429

Details

The Yxy color **18.4896, 0.3141, 0.3529** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **16.5427, 0.3111, 0.3058**, and the grayscale version is **18.0123, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.7733, 0.3137, 0.3460**, and **6.2029, 0.3149, 0.3640** is the 20% darker color. If you saturate the color by 10%, you get **17.6150, 0.3153, 0.3799**, and if you desaturate by 10%, it is **19.4772, 0.3127, 0.3287**.

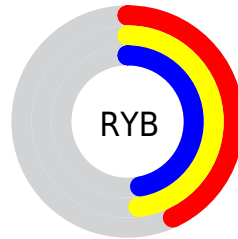
Distribution



Red (44%)

Green (48%)

Blue (43%)



Red (43%)

Yellow (48%)

Blue (47%)

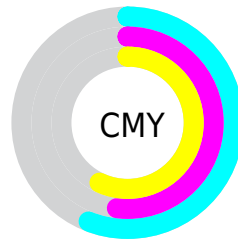


Cyan (8%)

Magenta (0%)

Yellow (10%)

Black (52%)



Cyan (56%)

Magenta (52%)

Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.4896, 0.3141, 0.3529 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 18.4896, 0.3141, 0.3529 by changing the saturation by 10% instead.

■ 18.4896, 0.3141,
0.3529

■ 18.4896, 0.3141,
0.3529

■ 243.6164, 0.3134,
0.3390

■ 11.3021, 0.3143,
0.3573

■ 40.8698, 0.3138,
0.3472

■ 6.2704, 0.3145,
0.3637

■ 56.8313, 0.3137,
0.3453

■ 3.0102, 0.3147,
0.3738

■ 76.4863, 0.3137,
0.3437

■ 1.1371, 0.3153,
0.3929

■ 100.2190, 0.3136,
0.3424

■ 0.0094, 0.0000,
1.0000

■ 128.4140, 0.3135,
0.3414

■ 0.0000, 0.0000,
0.0000

161.4557, 0.3135,

0.3404

199.7283, 0.3134,
0.3396

■ 18.4896, 0.3141,
0.3529

■ 18.4896, 0.3141,
0.3529

■ 17.6150, 0.3153,
0.3799

■ 19.4772, 0.3127,
0.3287

■ 16.8471, 0.3163,
0.4095

■ 20.5790, 0.3112,
0.3072

■ 16.1823, 0.3168,
0.4411

■ 21.7996, 0.3097,
0.2883

■ 15.6164, 0.3168,
0.4738

■ 23.1423, 0.3082,
0.2717

■ 15.1444, 0.3161,
0.5059

■ 24.6105, 0.3067,
0.2572

■ 14.7612, 0.3146,
0.5357

■ 26.2071, 0.3053,
0.2446

■ 14.4611, 0.3123,
0.5611

■ 27.9354, 0.3040,
0.2335

■ 14.2375, 0.3094,
0.5802

■ 29.7983, 0.3027,
0.2238

■ 14.0773, 0.3068,
0.5944

■ 31.7985, 0.3015,
0.2153

Harmonies

Analogous

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



18.4896, 0.3291, 0.3563



18.4896, 0.3141, 0.3529



18.4896, 0.2990, 0.3426

Triad

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



18.4896, 0.3141, 0.3529



18.4896, 0.2861, 0.3058



18.4896, 0.3383, 0.3286

Complementary

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



18.4896, 0.3141, 0.3529



16.5427, 0.3111, 0.3058

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.



18.4896, 0.3263, 0.3159



18.4896, 0.3141, 0.3529



18.4896, 0.2961, 0.3029

Square

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



18.4896, 0.3141, 0.3529



18.4896, 0.2830, 0.3151



18.4896, 0.3107, 0.3066



18.4896, 0.3433, 0.3418

Rectangle

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



18.4896, 0.3141, 0.3529



18.4896, 0.2908, 0.3334



18.4896, 0.3107, 0.3066



18.4896, 0.3349, 0.3242

Sweetspot

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



18.4904, 0.3141, 0.3529



33.6855, 0.3132, 0.3362



18.6469, 0.3271, 0.3479



7.6734, 0.3133, 0.3379



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.



18.4904, 0.3141, 0.3529



32.1371, 0.3144, 0.3592



18.4428, 0.3073, 0.3453



4.4796, 0.3140, 0.3509



14.8161, 0.3067, 0.5947



70.4135, 0.3045, 0.5965

Inverse Universe

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



16.5427, 0.3111, 0.3058



27.9313, 0.3106, 0.3000



16.5975, 0.3186, 0.3132



4.0448, 0.3112, 0.3077



4.4078, 0.2797, 0.1315



20.7041, 0.2775, 0.1302

Previews

White Background



This preview shows how the Yxy color 18.4896, 0.3141, 0.3529 looks on a white background.

Color Contrast Check

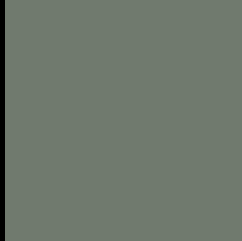
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.4896, 0.3141, 0.3529 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

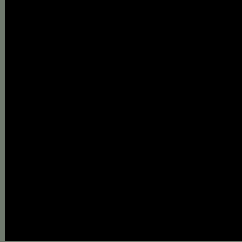
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.4896, 0.3141, 0.3529

Background



This preview shows how black text looks on a background with the Yxy color 18.4896, 0.3141, 0.3529.

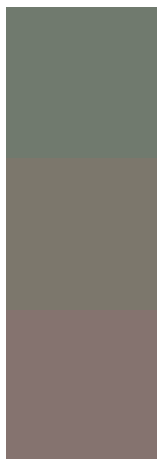


This preview shows how white text looks on a background with the Yxy color 18.4896, 0.3141, 0.3529.

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

18.4896, 0.3141, 0.3529

Protanopia

18.5614, 0.3323, 0.3501

Deuteranopia

18.3957, 0.3415, 0.3365



Tritanopia

18.4235, 0.2965, 0.3099

Trichromacy



Original Color

18.4896, 0.3141, 0.3529

Protanomaly

18.5301, 0.3256, 0.3504

Deuteranomaly

18.4645, 0.3301, 0.3424

Tritanomaly

18.4155, 0.3031, 0.3251

Monochromacy



Original Color

18.4896, 0.3141, 0.3529

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

18.1445, 0.3136, 0.3368

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.4896, 0.3141, 0.3529 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(112, 122, 110)` looks like.

```
.text, #text, p{  
    color:rgb(112, 122, 110)  
}
```

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(112, 122, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 122, 110) }
```

Border

The CSS property to change the border of an element to Yxy 18.4896, 0.3141, 0.3529 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(112, 122, 110) }
```

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

```
.border{ border-color:rgb(112, 122, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 122, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 122, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 122, 110);  
box-shadow:4px 4px 4px 4px rgb(112, 122,  
110) }
```


Background

The CSS property to change the background color of an element to Yxy 18.4896, 0.3141, 0.3529 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 122, 110) }
```

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

```
.background{ background-color: rgb(112,  
122, 110) }
```

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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