

Converting Colors

$Y_{xy}(18.3260, 0.3120, 0.3300)$

Have a look what the booklet for
Yxy(18.3260, 0.3120, 0.3300)
contains.

Yxy(18.3532, 0.3126, 0.3309)	3
Conversions	4
Details	6
Harmonies	12
Previews	23
Color Blindness Simulation	26
CSS Examples	29

Color

Yxy(18.3532, 0.3126, 0.3309)

Conversions

Conversions Part 1

Format	Color
Hex	767776
RGB	118, 119, 118
RGB Percent	46%, 47%, 46%
CMY	0.5373, 0.5333, 0.5372
CMYK	0.01, 0.00, 0.01, 0.53
HSL	121°, 0%, 46%
HSV	121°, 1%, 47%
XYZ	17.3382, 18.3532, 19.7731
YIQ	118.5870, -0.2750, -0.5230

Conversions

Conversions Part 2

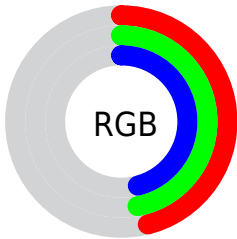
Format	Color
R_{YB}	118, 119, 119
Decimal	7763830
CIE Lab	49.92, -0.58, 0.40
CIE LCh	50, 0.702, 145.224
Yxy	18.3532, 0.3126, 0.3309
Android (android.graphics.Color)	4285953910 (0xFF767776)
YUV	118.5870, -0.2894, -0.5148
Hunter-Lab	42.8406, -2.7297, 2.6232

Details

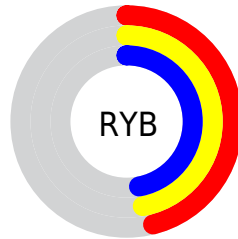
The Yxy color **18.3532, 0.3126, 0.3309** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **18.2093, 0.3128, 0.3271**, and the grayscale version is **18.3120, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.5741, 0.3127, 0.3304**, and **6.2508, 0.3126, 0.3320** is the 20% darker color. If you saturate the color by 10%, you get **17.3127, 0.3112, 0.3550**, and if you desaturate by 10%, it is **19.5346, 0.3139, 0.3098**.

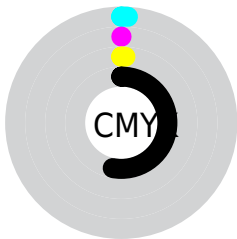
Distribution



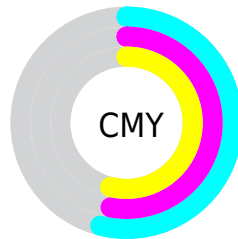
- Red (46%)
- Green (47%)
- Blue (46%)



- Red (46%)
- Yellow (47%)
- Blue (47%)



- Cyan (1%)
- Magenta (0%)
- Yellow (1%)
- Black (53%)



- Cyan (54%)
- Magenta (53%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.3532, 0.3126, 0.3309 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 18.3532, 0.3126, 0.3309 by changing the saturation by 10% instead.

■ 18.3532, 0.3126,
0.3309

■ 18.3532, 0.3126,
0.3309

242.8544, 0.3127,
0.3298

■ 11.2039, 0.3126,
0.3312

■ 40.6383, 0.3126,
0.3305

■ 6.2041, 0.3125,
0.3317

■ 56.5428, 0.3126,
0.3303

■ 2.9696, 0.3125,
0.3325

■ 76.1344, 0.3126,
0.3302

■ 1.1159, 0.3124,
0.3338

99.7977, 0.3127,
0.3301

■ 0.0000, 0.0000,
0.0000

127.9169, 0.3127,
0.3300

160.8765, 0.3127,

0.3299

199.0609, 0.3127,
0.3299

■ 18.3532, 0.3126,
0.3309

■ 18.3532, 0.3126,
0.3309

■ 17.3127, 0.3112,
0.3550

■ 19.5346, 0.3139,
0.3098

■ 16.4056, 0.3096,
0.3822

■ 20.8594, 0.3151,
0.2915

■ 15.6272, 0.3079,
0.4124

■ 22.3331, 0.3161,
0.2756

■ 14.9716, 0.3061,
0.4449

■ 23.9600, 0.3170,
0.2620

■ 14.4327, 0.3044,
0.4785

■ 25.7444, 0.3178,
0.2502

■ 14.0036, 0.3028,
0.5117

■ 27.6904, 0.3185,
0.2400

■ 13.6768, 0.3015,
0.5421

■ 29.8020, 0.3192,
0.2312

■ 13.4436, 0.3005,
0.5674

■ 32.0828, 0.3197,
0.2236

■ 13.2944, 0.2999,
0.5857

■ 34.5366, 0.3202,
0.2170

Harmonies

Analogous

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



18.3532, 0.3139, 0.3313



18.3532, 0.3126, 0.3309



18.3532, 0.3113, 0.3300

Triad

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



18.3532, 0.3126, 0.3309



18.3532, 0.3105, 0.3269



18.3532, 0.3151, 0.3293

Complementary

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



18.3532, 0.3126, 0.3309



18.2093, 0.3128, 0.3271

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.



18.3532, 0.3141, 0.3281



18.3532, 0.3126, 0.3309



18.3532, 0.3115, 0.3267

Square

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



18.3532, 0.3126, 0.3309



18.3532, 0.3101, 0.3277



18.3532, 0.3128, 0.3272



18.3532, 0.3153, 0.3304

Rectangle

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



18.3532, 0.3126, 0.3309



18.3532, 0.3106, 0.3292



18.3532, 0.3128, 0.3272



18.3532, 0.3148, 0.3289

Sweetspot

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



18.3540, 0.3126, 0.3309



33.0344, 0.3127, 0.3290



18.4232, 0.3139, 0.3309



7.8288, 0.3127, 0.3290



62.0916, 0.3127, 0.3290

Same Dimension

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



18.3540, 0.3126, 0.3309



32.8297, 0.3126, 0.3313



18.3659, 0.3120, 0.3299



4.2998, 0.3126, 0.3310



14.0232, 0.2994, 0.5978



68.3207, 0.2997, 0.5991

Inverse Universe

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



18.2093, 0.3128, 0.3271



32.5165, 0.3129, 0.3267



18.1973, 0.3134, 0.3281



4.2637, 0.3128, 0.3270



5.5179, 0.3261, 0.1570



26.8722, 0.3264, 0.1572

Previews

White Background



This preview shows how the Yxy color 18.3532, 0.3126, 0.3309 looks on a white 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

Black Background



This preview shows how the Yxy color 18.3532, 0.3126, 0.3309 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

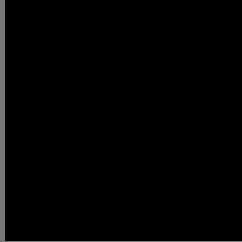
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

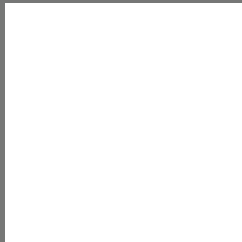
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 18.3532, 0.3126, 0.3309

Background



This preview shows how black text looks on a background with the Yxy color 18.3532, 0.3126, 0.3309.



This preview shows how white text looks on a background with the Yxy color 18.3532, 0.3126, 0.3309.

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

18.3532, 0.3126, 0.3309

Protanopia

18.3298, 0.3165, 0.3290

Deuteranopia

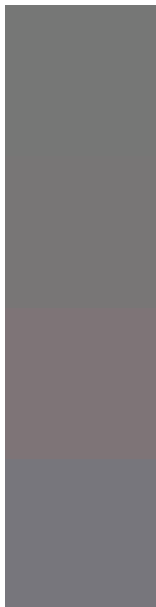
18.3392, 0.3274, 0.3217



Tritanopia

18.4111, 0.3036, 0.3120

Trichromacy



Original Color

18.3532, 0.3126, 0.3309

Protanomaly

18.2579, 0.3152, 0.3290

Deuteranomaly

18.2583, 0.3220, 0.3234

Tritanomaly

18.3340, 0.3070, 0.3176

Monochromacy



Original Color

18.3532, 0.3126, 0.3309

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

18.4475, 0.3127, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.3532, 0.3126, 0.3309 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, 119, 118)` looks like.

```
.text, #text, p{  
    color:rgb(118, 119, 118)  
}
```

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, 119, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 119, 118) }
```

Border

The CSS property to change the border of an element to Yxy 18.3532, 0.3126, 0.3309 is called "border". The border property can be set on classes, ids or directly on the HTML element.

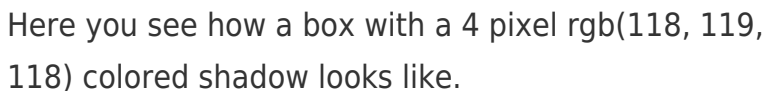
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(118, 119, 118) }
```

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

```
.border{ border-color:rgb(118, 119, 118) }
```

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



Here you see how a box with a 4 pixel `rgb(118, 119, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(118, 119, 118); -webkit-box-shadow:4px 4px 4px 4px rgb(118, 119, 118); box-shadow:4px 4px 4px 4px rgb(118, 119, 118) }
```

Background

The CSS property to change the background color of an element to Yxy 18.3532, 0.3126, 0.3309 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 119, 118) }
```

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

```
.background{ background-color: rgb(118,  
119, 118) }
```

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