

Converting Colors

$Y_{xy}(18.2752, 0.3199, 0.3408)$

Have a look what the booklet for
Yxy(18.2752, 0.3199, 0.3408)
contains.

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Color

Yxy(18.3078, 0.3198, 0.3407)

Conversions

Conversions Part 1

Format	Color
Hex	777771
RGB	119, 119, 113
RGB Percent	47%, 47%, 44%
CMY	0.5333, 0.5333, 0.5570
CMYK	0.00, 0.00, 0.05, 0.53
HSL	60°, 3%, 45%
HSV	60°, 5%, 47%
XYZ	17.1847, 18.3078, 18.2433
YIQ	118.3160, 1.9260, -1.8660

Conversions

Conversions Part 2

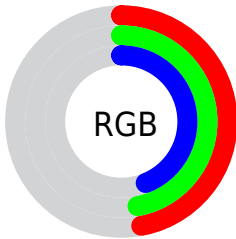
Format	Color
R_{YB}	113, 119, 113
Decimal	7829361
CIE Lab	49.87, -1.18, 3.31
CIE LCh	50, 3.511, 109.662
Yxy	18.3078, 0.3198, 0.3407
Android (android.graphics.Color)	4286019441 (0xFF777771)
YUV	118.3160, -2.6208, 0.5999
Hunter-Lab	42.7876, -3.1877, 4.6719

Details

The Yxy color **18.3078, 0.3198, 0.3407** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **16.6469, 0.3055, 0.3170**, and the grayscale version is **18.2291, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.5004, 0.3178, 0.3374**, and **6.2277, 0.3238, 0.3473** is the 20% darker color. If you saturate the color by 10%, you get **18.0560, 0.3341, 0.3643**, and if you desaturate by 10%, it is **18.5963, 0.3060, 0.3179**.

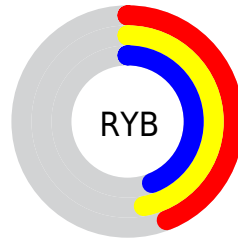
Distribution



Red (47%)

Green (47%)

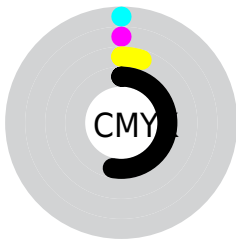
Blue (44%)



Red (44%)

Yellow (47%)

Blue (44%)

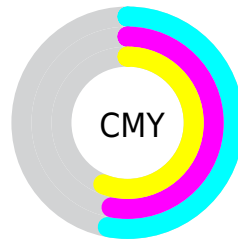


Cyan (0%)

Magenta (0%)

Yellow (5%)

Black (53%)



Cyan (53%)


Magenta (53%)

Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.3078, 0.3198, 0.3407 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 18.3078, 0.3198, 0.3407 by changing the saturation by 10% instead.


 18.3078, 0.3198,
0.3407


 18.3078, 0.3198,
0.3407


242.6003, 0.3157,
0.3339


 11.1712, 0.3211,
0.3428


 40.5611, 0.3182,
0.3380


 6.1821, 0.3229,
0.3458

 56.4466, 0.3176,
0.3370

 2.9561, 0.3257,
0.3506

 76.0172, 0.3171,
0.3363

 1.1089, 0.3306,
0.3591

 99.6573, 0.3168,
0.3356

 0.0000, 0.0000,
0.0000

127.7512, 0.3164,
0.3351

160.6834, 0.3162,

0.3347

198.8383, 0.3159,
0.3343

■ 18.3078, 0.3198,
0.3407

■ 18.3078, 0.3198,
0.3407

■ 18.0560, 0.3341,
0.3643

■ 18.5963, 0.3060,
0.3179

■ 17.8373, 0.3486,
0.3883

■ 18.9204, 0.2929,
0.2962

■ 17.6509, 0.3628,
0.4118

■ 19.2822, 0.2806,
0.2759

■ 17.4953, 0.3764,
0.4342

■ 19.6828, 0.2693,
0.2572

■ 17.3688, 0.3887,
0.4545

■ 20.1234, 0.2589,
0.2400

■ 17.2696, 0.3993,
0.4719

■ 20.6049, 0.2494,
0.2244

■ 17.1957, 0.4077,
0.4859

■ 21.1285, 0.2408,
0.2102

■ 17.1446, 0.4138,
0.4960

■ 21.6951, 0.2330,
0.1973

■ 17.1127, 0.4177,
0.5024

■ 22.3057, 0.2260,
0.1857

Harmonies

Analogous

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



18.3078, 0.3244, 0.3391



18.3078, 0.3198, 0.3407



18.3078, 0.3133, 0.3391

Triad

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



18.3078, 0.3198, 0.3407



18.3078, 0.2997, 0.3231



18.3078, 0.3187, 0.3233

Complementary

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



18.3078, 0.3198, 0.3407



16.6469, 0.3055, 0.3170

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.



18.3078, 0.3120, 0.3192



18.3078, 0.3198, 0.3407



18.3078, 0.3011, 0.3189

Square

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



18.3078, 0.3198, 0.3407



18.3078, 0.3018, 0.3289



18.3078, 0.3056, 0.3176



18.3078, 0.3238, 0.3290

Rectangle

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



18.3078, 0.3198, 0.3407



18.3078, 0.3088, 0.3365



18.3078, 0.3056, 0.3176



18.3078, 0.3166, 0.3217

Sweetspot

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



18.3086, 0.3198, 0.3407



32.9300, 0.3156, 0.3337



16.9212, 0.3206, 0.3288



7.8059, 0.3154, 0.3334



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.



18.3086, 0.3198, 0.3407



32.7293, 0.3213, 0.3432



18.1064, 0.3161, 0.3408



4.2824, 0.3216, 0.3436



18.1641, 0.4194, 0.5052



88.5106, 0.4194, 0.5052

Inverse Universe

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



16.6469, 0.3055, 0.3170



29.1427, 0.3039, 0.3144



16.8424, 0.3092, 0.3172



3.8011, 0.3036, 0.3140



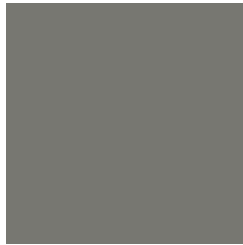
1.4169, 0.1500, 0.0601



6.8995, 0.1500, 0.0600

Previews

White Background



This preview shows how the Yxy color 18.3078, 0.3198, 0.3407 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 18.3078, 0.3198, 0.3407 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

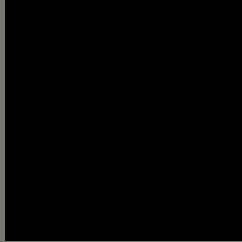
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

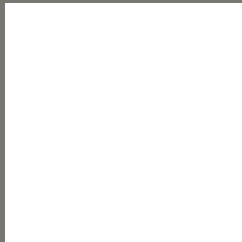
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 18.3078, 0.3198, 0.3407

Background



This preview shows how black text looks on a background with the Yxy color 18.3078, 0.3198, 0.3407.



This preview shows how white text looks on a background with the Yxy color 18.3078, 0.3198, 0.3407.

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

18.3078, 0.3198, 0.3407

Protanopia

18.2643, 0.3250, 0.3406

Deuteranopia

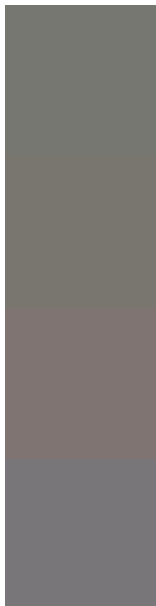
18.3819, 0.3363, 0.3309



Tritanopia

18.2939, 0.3072, 0.3120

Trichromacy



Original Color

18.3078, 0.3198, 0.3407

Protanomaly

18.1917, 0.3237, 0.3406

Deuteranomaly

18.2177, 0.3295, 0.3328

Tritanomaly

18.3304, 0.3117, 0.3233

Monochromacy



Original Color

18.3078, 0.3198, 0.3407

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

18.0694, 0.3151, 0.3329

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.3078, 0.3198, 0.3407 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(119, 119, 113)` looks like.

```
.text, #text, p{  
    color:rgb(119, 119, 113)  
}
```

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(119, 119, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 119, 113) }
```

Border

The CSS property to change the border of an element to Yxy 18.3078, 0.3198, 0.3407 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(119, 119, 113) }
```

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

```
.border{ border-color:rgb(119, 119, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 119, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 119, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 119, 113);  
box-shadow:4px 4px 4px 4px rgb(119, 119,  
113) }
```


Background

The CSS property to change the background color of an element to Yxy 18.3078, 0.3198, 0.3407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 119, 113) }
```

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

```
.background{ background-color: rgb(119,  
119, 113) }
```

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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