

Converting Colors

$Y_{xy}(19.7739, 0.3194, 0.3523)$

Have a look what the booklet for
Yxy(19.7739, 0.3194, 0.3523)
contains.

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Color

Yxy(19.7814, 0.3189, 0.3520)

Conversions

Conversions Part 1

Format	Color
Hex	777D71
RGB	119, 125, 113
RGB Percent	47%, 49%, 44%
CMY	0.5333, 0.5098, 0.5569
CMYK	0.05, 0.00, 0.10, 0.51
HSL	90°, 5%, 47%
HSV	90°, 10%, 49%
XYZ	17.9213, 19.7814, 18.4945
YIQ	121.8380, 0.2760, -5.0040

Conversions

Conversions Part 2

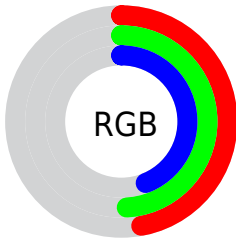
Format	Color
RYB	113, 125, 119
Decimal	7830897
CIELab	51.59, -4.62, 5.77
CIELCh	52, 7.392, 128.679
Yxy	19.7814, 0.3189, 0.3520
Android (android.graphics.Color)	4286020977 (0xFF777D71)
YUV	121.8380, -4.3571, -2.4889
Hunter-Lab	44.4763, -5.9087, 6.4790

Details

The Yxy color **19.7814, 0.3189, 0.3520** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **17.2119, 0.3061, 0.3060**, and the grayscale version is **19.4210, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.2153, 0.3171, 0.3469**, and **6.8901, 0.3224, 0.3620** is the 20% darker color. If you saturate the color by 10%, you get **19.0918, 0.3253, 0.3778**, and if you desaturate by 10%, it is **20.5406, 0.3125, 0.3281**.

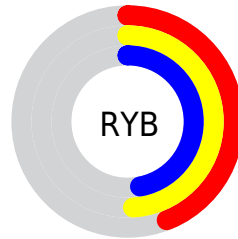
Distribution



Red (47%)

Green (49%)

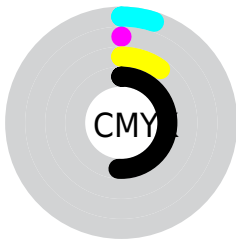
Blue (44%)



Red (44%)

Yellow (49%)

Blue (47%)

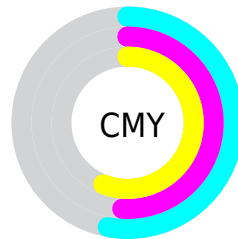


Cyan (5%)

Magenta (0%)

Yellow (10%)

Black (51%)



Cyan (53%)

Magenta (51%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.7814, 0.3189, 0.3520 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 19.7814, 0.3189, 0.3520 by changing the saturation by 10% instead.

■ 19.7814, 0.3189,
0.3520

■ 19.7814, 0.3189,
0.3520

250.7292, 0.3154,
0.3387

■ 12.2362, 0.3199,
0.3561

■ 43.0504, 0.3175,
0.3467

■ 6.9048, 0.3213,
0.3620

■ 59.5430, 0.3171,
0.3448

■ 3.4026, 0.3234,
0.3711

■ 79.7869, 0.3167,
0.3433

■ 1.3454, 0.3268,
0.3872

■ 104.1664, 0.3163,
0.3421

■ 0.1759, 0.2363,
0.7637

133.0661, 0.3161,
0.3411

■ 0.0000, 0.0000,
0.0000

166.8701, 0.3158,

0.3402

205.9631, 0.3156,
0.3394

■ 19.7814, 0.3189,
0.3520

■ 19.7814, 0.3189,
0.3520

■ 19.0918, 0.3253,
0.3778

■ 20.5406, 0.3125,
0.3281

■ 18.4672, 0.3313,
0.4053

■ 21.3689, 0.3061,
0.3063

■ 17.9060, 0.3368,
0.4338

■ 22.2690, 0.3000,
0.2865

■ 17.4060, 0.3413,
0.4625

■ 23.2428, 0.2943,
0.2688

■ 16.9645, 0.3445,
0.4902

■ 24.2922, 0.2888,
0.2528

■ 16.5788, 0.3459,
0.5158

■ 25.4187, 0.2837,
0.2386

■ 16.2456, 0.3454,
0.5377

■ 26.6242, 0.2789,
0.2259

■ 15.9616, 0.3428,
0.5549

■ 27.9100, 0.2745,
0.2146

■ 15.7170, 0.3390,
0.5686

■ 29.2780, 0.2705,
0.2044

Harmonies

Analogous

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



19.7814, 0.3313, 0.3526



19.7814, 0.3189, 0.3520



19.7814, 0.3051, 0.3448

Triad

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



19.7814, 0.3189, 0.3520



19.7814, 0.2873, 0.3108



19.7814, 0.3322, 0.3245

Complementary

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



19.7814, 0.3189, 0.3520



17.2119, 0.3061, 0.3060

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.



19.7814, 0.3200, 0.3139



19.7814, 0.3189, 0.3520



19.7814, 0.2942, 0.3060

Square

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



19.7814, 0.3189, 0.3520



19.7814, 0.2870, 0.3207



19.7814, 0.3061, 0.3072



19.7814, 0.3391, 0.3364

Rectangle

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



19.7814, 0.3189, 0.3520



19.7814, 0.2969, 0.3374



19.7814, 0.3061, 0.3072



19.7814, 0.3286, 0.3207

Sweetspot

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



19.7823, 0.3189, 0.3520



36.2958, 0.3147, 0.3362



18.7460, 0.3275, 0.3404



8.2334, 0.3152, 0.3379



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.



19.7823, 0.3189, 0.3520



35.0790, 0.3206, 0.3588



19.3709, 0.3116, 0.3525



4.9160, 0.3186, 0.3508



16.3888, 0.3387, 0.5693



0.0000, 0.0000, 0.0000

Inverse Universe

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



17.2119, 0.3061, 0.3060



29.2945, 0.3040, 0.2993



17.6501, 0.3138, 0.3066



4.3091, 0.3064, 0.3072



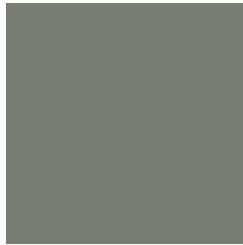
2.6281, 0.2054, 0.0905



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 19.7814, 0.3189, 0.3520 looks on a white background.

Color Contrast Check

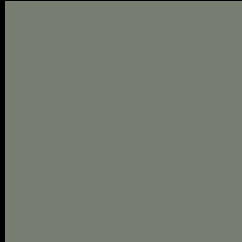
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.7814, 0.3189, 0.3520 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

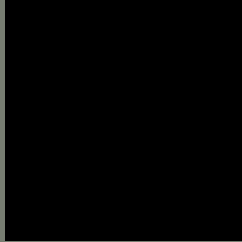
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

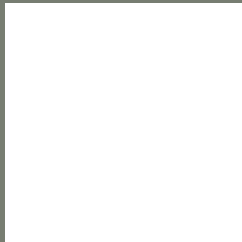
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 19.7814, 0.3189, 0.3520

Background



This preview shows how black text looks on a background with the Yxy color 19.7814, 0.3189, 0.3520.



This preview shows how white text looks on a background with the Yxy color 19.7814, 0.3189, 0.3520.

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

19.7814, 0.3189, 0.3520

Protanopia

19.6781, 0.3319, 0.3477

Deuteranopia

19.8118, 0.3432, 0.3380



Tritanopia

19.7226, 0.3016, 0.3106

Trichromacy



Original Color

19.7814, 0.3189, 0.3520

Protanomaly

19.6957, 0.3279, 0.3497

Deuteranomaly

19.7149, 0.3336, 0.3419

Tritanomaly

19.7115, 0.3081, 0.3253

Monochromacy



Original Color

19.7814, 0.3189, 0.3520

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

19.5628, 0.3148, 0.3366

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.7814, 0.3189, 0.3520 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, 125, 113)` looks like.

```
.text, #text, p{  
    color:rgb(119, 125, 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, 125, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 125, 113) }
```

Border

The CSS property to change the border of an element to Yxy 19.7814, 0.3189, 0.3520 is called "border". The border property can be set on classes, ids or directly on the HTML element.

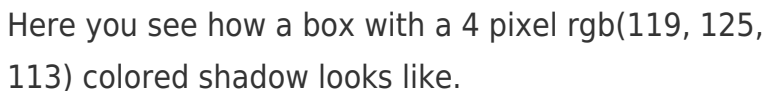
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(119, 125, 113) }
```

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

```
.border{ border-color:rgb(119, 125, 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, 125, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(119, 125, 113); -webkit-box-shadow:4px 4px 4px 4px rgb(119, 125, 113); box-shadow:4px 4px 4px 4px rgb(119, 125, 113) }
```


Background

The CSS property to change the background color of an element to Yxy 19.7814, 0.3189, 0.3520 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 125, 113) }
```

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

```
.background{ background-color: rgb(119,  
125, 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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