

Converting Colors

$Y_{xy}(19.7937, 0.3053, 0.3341)$

Have a look what the booklet for
Yxy(19.7937, 0.3053, 0.3341)
contains.

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Color

Yxy(19.7854, 0.3053, 0.3347)

Conversions

Conversions Part 1

Format	Color
Hex	747D7A
RGB	116, 125, 122
RGB Percent	45%, 49%, 48%
CMY	0.5452, 0.5098, 0.5216
CMYK	0.07, 0.00, 0.02, 0.51
HSL	160°, 4%, 47%
HSV	160°, 7%, 49%
XYZ	18.0475, 19.7854, 21.2810
YIQ	121.9670, -4.4010, -2.8410

Conversions

Conversions Part 2

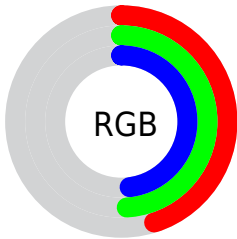
Format	Color
R_{YB}	116, 121, 125
Decimal	7634298
CIE Lab	51.59, -3.97, 0.47
CIE LCh	52, 3.996, 173.184
Yxy	19.7854, 0.3053, 0.3347
Android (android.graphics.Color)	4285824378 (0xFF747D7A)
YUV	121.9670, 0.0163, -5.2331
Hunter-Lab	44.4808, -5.4175, 2.7704

Details

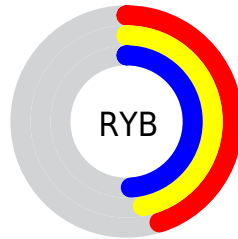
The Yxy color **19.7854, 0.3053, 0.3347** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **18.1794, 0.3207, 0.3234**, and the grayscale version is **19.4515, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.2216, 0.3073, 0.3345**, and **6.8789, 0.3032, 0.3379** is the 20% darker color. If you saturate the color by 10%, you get **18.8856, 0.2953, 0.3433**, and if you desaturate by 10%, it is **20.8066, 0.3156, 0.3269**.

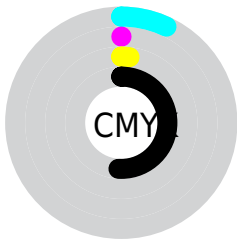
Distribution



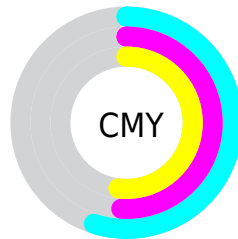
- Red (45%)
- Green (49%)
- Blue (48%)



- Red (45%)
- Yellow (47%)
- Blue (49%)



- Cyan (7%)
- Magenta (0%)
- Yellow (2%)
- Black (51%)



- Cyan (55%)
- Magenta (51%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.7854, 0.3053, 0.3347 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 19.7854, 0.3053, 0.3347 by changing the saturation by 10% instead.

■ 19.7854, 0.3053,
0.3347

■ 19.7854, 0.3053,
0.3347

250.7510, 0.3095,
0.3314

■ 12.2391, 0.3040,
0.3357

■ 43.0571, 0.3070,
0.3334

■ 6.9068, 0.3022,
0.3371

■ 59.5513, 0.3076,
0.3329

■ 3.4039, 0.2994,
0.3393

■ 79.7970, 0.3081,
0.3326

■ 1.3460, 0.2945,
0.3430

104.1785, 0.3085,
0.3323

■ 0.1764, 0.1744,
0.4343

133.0803, 0.3088,
0.3320

■ 0.0000, 0.0000,
0.0000

166.8867, 0.3091,

0.3318

205.9821, 0.3093,
0.3316

■ 19.7854, 0.3053,
0.3347

■ 19.7854, 0.3053,
0.3347

■ 18.8856, 0.2953,
0.3433

■ 20.8066, 0.3156,
0.3269

■ 18.1000, 0.2858,
0.3527

■ 21.9510, 0.3260,
0.3199

■ 17.4246, 0.2771,
0.3630

■ 23.2237, 0.3364,
0.3137

■ 16.8540, 0.2695,
0.3739

■ 24.6285, 0.3466,
0.3082

■ 16.3825, 0.2632,
0.3854

■ 26.1693, 0.3565,
0.3034

■ 16.0038, 0.2584,
0.3974

■ 27.8497, 0.3661,
0.2991

■ 15.7108, 0.2555,
0.4097

■ 29.6732, 0.3753,
0.2954

■ 15.4955, 0.2543,
0.4220

■ 31.6430, 0.3841,
0.2922

■ 15.3403, 0.2548,
0.4342

■ 33.7626, 0.3925,
0.2894

Harmonies

Analogous

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



19.7854, 0.3125, 0.3398



19.7854, 0.3053, 0.3347



19.7854, 0.3001, 0.3280

Triad

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



19.7854, 0.3053, 0.3347



19.7854, 0.3056, 0.3164



19.7854, 0.3274, 0.3361

Complementary

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



19.7854, 0.3053, 0.3347



18.1794, 0.3207, 0.3234

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.



19.7854, 0.3255, 0.3298



19.7854, 0.3053, 0.3347



19.7854, 0.3128, 0.3185

Square

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



19.7854, 0.3053, 0.3347



19.7854, 0.3003, 0.3175



19.7854, 0.3201, 0.3234



19.7854, 0.3253, 0.3405

Rectangle

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



19.7854, 0.3053, 0.3347



19.7854, 0.2985, 0.3237



19.7854, 0.3201, 0.3234



19.7854, 0.3272, 0.3341

Sweetspot

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



19.7862, 0.3053, 0.3347



36.3451, 0.3106, 0.3306



19.8510, 0.3155, 0.3462



8.2734, 0.3108, 0.3305



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.



19.7862, 0.3053, 0.3347



35.0885, 0.3033, 0.3364



19.4840, 0.3021, 0.3261



4.8633, 0.3034, 0.3363



15.9650, 0.2550, 0.4379



0.0000, 0.0000, 0.0000

Inverse Universe

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



18.1794, 0.3207, 0.3234



31.4617, 0.3232, 0.3218



18.4578, 0.3242, 0.3319



4.3660, 0.3230, 0.3218



4.7209, 0.5564, 0.2839



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 19.7854, 0.3053, 0.3347 looks on a white background.

Color Contrast Check

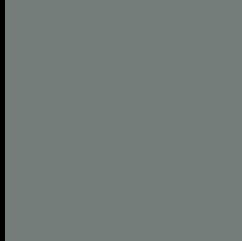
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.7854, 0.3053, 0.3347 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

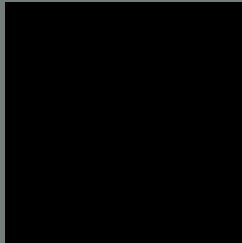
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

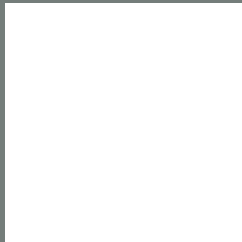
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 19.7854, 0.3053, 0.3347

Background



This preview shows how black text looks on a background with the Yxy color 19.7854, 0.3053, 0.3347.



This preview shows how white text looks on a background with the Yxy color 19.7854, 0.3053, 0.3347.

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

19.7854, 0.3053, 0.3347

Protanopia

19.7108, 0.3200, 0.3327

Deuteranopia

19.6920, 0.3270, 0.3219



Tritanopia

19.7109, 0.2959, 0.3104

Trichromacy



Original Color

19.7854, 0.3053, 0.3347

Protanomaly

19.6840, 0.3138, 0.3328

Deuteranomaly

19.6168, 0.3178, 0.3253

Tritanomaly

19.7822, 0.2990, 0.3196

Monochromacy



Original Color

19.7854, 0.3053, 0.3347

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

19.5641, 0.3102, 0.3309

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.7854, 0.3053, 0.3347 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(116, 125, 122)` looks like.

```
.text, #text, p{  
    color:rgb(116, 125, 122)  
}
```

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(116, 125, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 125, 122) }
```

Border

The CSS property to change the border of an element to Yxy 19.7854, 0.3053, 0.3347 is called "border". The border property can be set on classes, ids or directly on the HTML element.

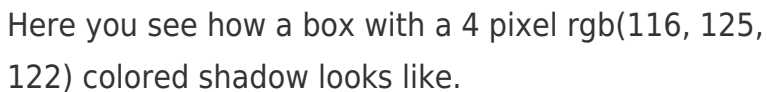
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(116, 125, 122) }
```

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

```
.border{ border-color:rgb(116, 125, 122) }
```

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



Here you see how a box with a 4 pixel `rgb(116, 125, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(116, 125, 122); -webkit-box-shadow:4px 4px 4px 4px rgb(116, 125, 122); box-shadow:4px 4px 4px 4px rgb(116, 125, 122) }
```


Background

The CSS property to change the background color of an element to Yxy 19.7854, 0.3053, 0.3347 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 125, 122) }
```

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

```
.background{ background-color: rgb(116,  
125, 122) }
```

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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