

Converting Colors

$Y_{xy}(10.7802, 0.3123, 0.3765)$

Have a look what the booklet for
Yxy(10.7802, 0.3123, 0.3765)
contains.

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Color

$Y_{xy}(10.8049, 0.3134, 0.3780)$

Conversions

Conversions Part 1

Format	Color
Hex	50614E
RGB	80, 97, 78
RGB Percent	31%, 38%, 31%
CMY	0.6863, 0.6196, 0.6941
CMYK	0.18, 0.00, 0.20, 0.62
HSL	114°, 11%, 34%
HSV	114°, 20%, 38%
XYZ	8.9583, 10.8049, 8.8211
YIQ	89.7510, -4.0330, -9.5130

Conversions

Conversions Part 2

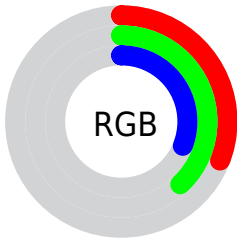
Format	Color
R_{YB}	78, 97, 95
Decimal	5267790
CIE Lab	39.25, -10.60, 8.72
CIE LCh	39, 13.726, 140.568
Yxy	10.8049, 0.3134, 0.3780
Android (android.graphics.Color)	4283457870 (0xFF50614E)
YUV	89.7510, -5.7932, -8.5516
Hunter-Lab	32.8708, -8.8769, 7.0986

Details

The Yxy color **10.8049, 0.3134, 0.3780** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **8.7448, 0.3114, 0.2836**, and the grayscale version is **10.1799, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.3792, 0.3131, 0.3652**, and **2.8405, 0.3114, 0.4085** is the 20% darker color. If you saturate the color by 10%, you get **10.3227, 0.3134, 0.4070**, and if you desaturate by 10%, it is **11.3574, 0.3131, 0.3516**.

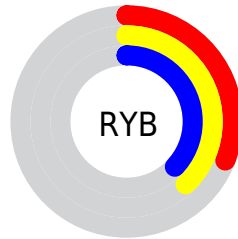
Distribution



Red (31%)

Green (38%)

Blue (31%)



Red (31%)

Yellow (38%)

Blue (37%)

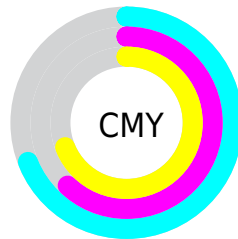


Cyan (18%)

Magenta (0%)

Yellow (20%)

Black (62%)



Cyan (69%)

Magenta (62%)

Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 10.8049, 0.3134, 0.3780 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 10.8049, 0.3134, 0.3780 by changing the saturation by 10% instead.

■ 10.8049, 0.3134,
0.3780

■ 10.8049, 0.3134,
0.3780

■ 196.3241, 0.3133,
0.3470

■ 5.9358, 0.3131,
0.3896

■ 27.2988, 0.3135,
0.3644

■ 2.8061, 0.3124,
0.4083

■ 39.6924, 0.3135,
0.3601

■ 1.0313, 0.3174,
0.4581

■ 55.3630, 0.3135,
0.3567

■ 0.0000, 0.0000,
0.0000

■ 74.6949, 0.3134,
0.3540

■ 98.0726, 0.3134,
0.3518

125.8805, 0.3134,

0.3499

158.5028, 0.3133,
0.3483

■ 10.8049, 0.3134,
0.3780

■ 10.8049, 0.3134,
0.3780

■ 10.3227, 0.3134,
0.4070

■ 11.3574, 0.3131,
0.3516

■ 9.9065, 0.3132,
0.4381

■ 11.9813, 0.3127,
0.3281

■ 9.5540, 0.3126,
0.4705

■ 12.6797, 0.3122,
0.3073

■ 9.2621, 0.3115,
0.5027

■ 13.4548, 0.3116,
0.2890

■ 9.0271, 0.3100,
0.5329

■ 14.3088, 0.3109,
0.2730

■ 8.8455, 0.3082,
0.5590

■ 15.2440, 0.3103,
0.2590

■ 8.7129, 0.3060,
0.5791

■ 16.2623, 0.3096,
0.2469

■ 8.6189, 0.3047,
0.5956

■ 17.3658, 0.3090,
0.2362

■ 8.6156, 0.3047,
0.5963

■ 18.5565, 0.3084,
0.2269

Harmonies

Analogous

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



10.8049, 0.3440, 0.3848



10.8049, 0.3134, 0.3780



10.8049, 0.2837, 0.3558

Triad

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



10.8049, 0.3134, 0.3780



10.8049, 0.2605, 0.2820



10.8049, 0.3655, 0.3285

Complementary

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



10.8049, 0.3134, 0.3780



8.7448, 0.3114, 0.2836

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.



10.8049, 0.3411, 0.3040



10.8049, 0.3134, 0.3780



10.8049, 0.2803, 0.2777

Square

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



10.8049, 0.3134, 0.3780



10.8049, 0.2541, 0.2990



10.8049, 0.3095, 0.2858



10.8049, 0.3750, 0.3542

Rectangle

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



10.8049, 0.3134, 0.3780



10.8049, 0.2682, 0.3361



10.8049, 0.3095, 0.2858



10.8049, 0.3587, 0.3199

Sweetspot

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



10.8054, 0.3134, 0.3780



19.8182, 0.3130, 0.3433



11.2372, 0.3409, 0.3691



4.9106, 0.3130, 0.3442



52.2522, 0.3127, 0.3290



5.0876, 0.3127, 0.3290

Same Dimension

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



10.8054, 0.3134, 0.3780



18.0837, 0.3135, 0.3925



10.8298, 0.3006, 0.3590



2.8678, 0.3131, 0.3499



11.7095, 0.3040, 0.5968



62.3539, 0.3021, 0.5983

Inverse Universe

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



8.7448, 0.3114, 0.2836



13.7791, 0.3108, 0.2714



8.7238, 0.3271, 0.3008



2.6161, 0.3122, 0.3088



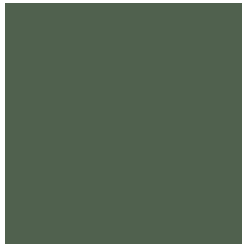
3.9047, 0.2956, 0.1402



20.6334, 0.2941, 0.1394

Previews

White Background



This preview shows how the Yxy color 10.8049, 0.3134, 0.3780 looks on a white background.

Color Contrast Check

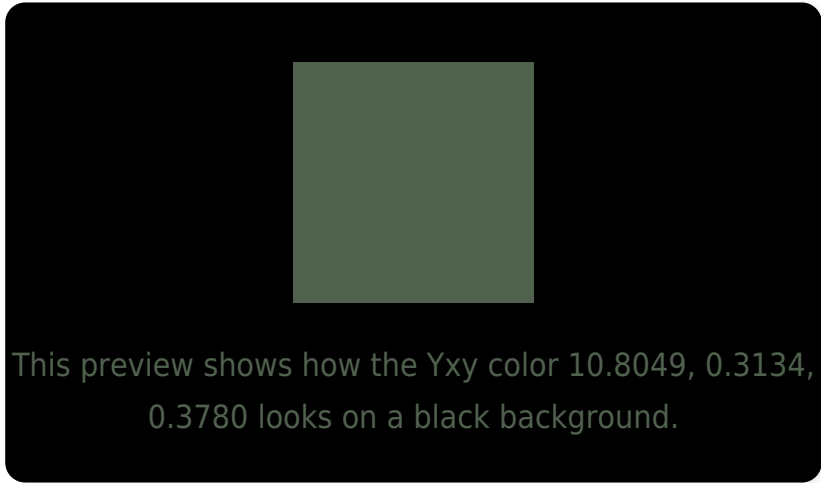
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

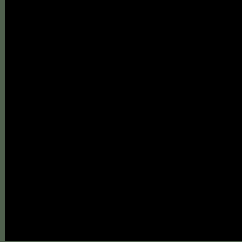
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.8049, 0.3134, 0.3780

Background



This preview shows how black text looks on a background with the Yxy color 10.8049, 0.3134, 0.3780.



This preview shows how white text looks on a background with the Yxy color 10.8049, 0.3134, 0.3780.

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

10.8049, 0.3134, 0.3780

Protanopia

10.7728, 0.3468, 0.3674

Deuteranopia

10.7881, 0.3554, 0.3497



Tritanopia

10.8298, 0.2883, 0.3120

Trichromacy



Original Color

10.8049, 0.3134, 0.3780

Protanomaly

10.7654, 0.3328, 0.3711

Deuteranomaly

10.7602, 0.3405, 0.3603

Tritanomaly

10.8137, 0.2975, 0.3339

Monochromacy



Original Color

10.8049, 0.3134, 0.3780

Achromatopsia

10.2242, 0.3127, 0.3290

Achromatomaly

10.4790, 0.3119, 0.3465

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.8049, 0.3134, 0.3780 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(80, 97, 78) looks like.

```
.text, #text, p{  
    color:rgb(80, 97, 78)  
}
```

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(80, 97, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 97, 78) }
```

Border

The CSS property to change the border of an element to Yxy 10.8049, 0.3134, 0.3780 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(80, 97, 78) }
```

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

```
.border{ border-color:rgb(80, 97, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 97, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 97, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 97, 78);  
box-shadow:4px 4px 4px 4px rgb(80, 97, 78)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.8049, 0.3134, 0.3780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 97, 78) }
```

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

```
.background{ background-color: rgb(80, 97,  
78) }
```

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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