

Converting Colors

$Y_{xy}(37.9720, 0.3988, 0.4784)$

Have a look what the booklet for
Yxy(37.9720, 0.3988, 0.4784)
contains.

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Color

Yxy(37.7664, 0.3986, 0.4778)

Conversions

Conversions Part 1

Format	Color
Hex	A8AB3B
RGB	168, 171, 59
RGB Percent	66%, 67%, 23%
CMY	0.3411, 0.3294, 0.7685
CMYK	0.02, 0.00, 0.65, 0.33
HSL	62°, 49%, 45%
HSV	62°, 65%, 67%
XYZ	31.5063, 37.7664, 9.7696
YIQ	157.3350, 34.1640, -35.4680

Conversions

Conversions Part 2

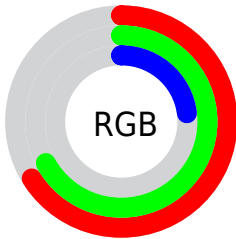
Format	Color
RYB	59, 171, 62
Decimal	11053883
CIELab	67.85, -15.38, 55.03
CIELCh	68, 57.137, 105.612
Yxy	37.7664, 0.3986, 0.4778
Android (android.graphics.Color)	4289243963 (0xFFA8AB3B)
YUV	157.3350, -48.4792, 9.3532
Hunter-Lab	61.4544, -16.0323, 33.5925

Details

The Yxy color **37.7664, 0.3986, 0.4778** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **7.0943, 0.1902, 0.1238**, and the grayscale version is **34.0909, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.7313, 0.3863, 0.4507**, and **16.7044, 0.4109, 0.5120** is the 20% darker color. If you saturate the color by 10%, you get **37.5692, 0.4062, 0.4917**, and if you desaturate by 10%, it is **38.0254, 0.3886, 0.4601**.

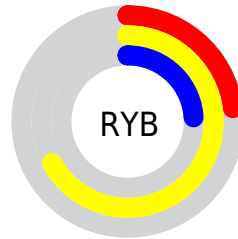
Distribution



Red (66%)

Green (67%)

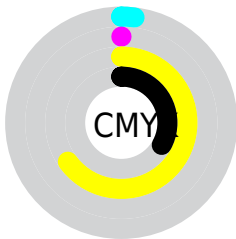
Blue (23%)



Red (23%)

Yellow (67%)

Blue (24%)

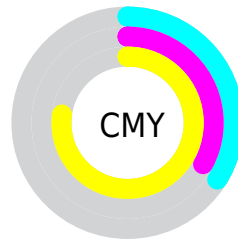


Cyan (2%)

Magenta (0%)

Yellow (65%)

Black (33%)



Cyan (34%)


Magenta (33%)

Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.7664, 0.3986, 0.4778 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 37.7664, 0.3986, 0.4778 by changing the saturation by 10% instead.


 37.7664, 0.3986,
0.4778


 37.7664, 0.3986,
0.4778


336.6168, 0.3593,
0.4023


 25.8014, 0.4059,
0.4954


 71.7499, 0.3859,
0.4509

 16.6752, 0.4131,
0.5165


 94.5373, 0.3806,
0.4406

 10.0032, 0.4193,
0.5419


 121.7010, 0.3759,
0.4318

 5.4010, 0.4242,
0.5758

 153.6252, 0.3718,
0.4242

 2.4844, 0.4049,
0.5951

 190.6946, 0.3681,
0.4176

 0.8688, 0.3414,
0.6586

233.2934, 0.3649,

 0.0000, 0.0000,

0.4119

0.0000

281.8060, 0.3619,
0.4068

■ 37.7664, 0.3986,
0.4778

■ 37.7664, 0.3986,
0.4778

■ 37.5692, 0.4062,
0.4917

■ 38.0254, 0.3886,
0.4601

■ 37.4225, 0.4113,
0.5014

■ 38.3461, 0.3767,
0.4392

■ 37.3208, 0.4140,
0.5070

■ 38.7348, 0.3634,
0.4160

■ 37.2817, 0.4148,
0.5089

■ 39.1956, 0.3493,
0.3915

■ 39.7323, 0.3348,
0.3667

■ 40.3485, 0.3204,
0.3421

■ 41.0475, 0.3065,
0.3185

■ 41.8325, 0.2933,
0.2961

■ 42.7063, 0.2810,
0.2753

Harmonies

Analogous

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



37.7664, 0.4593, 0.4305



37.7664, 0.3986, 0.4778



37.7664, 0.3196, 0.4817

Triad

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



37.7664, 0.3986, 0.4778



37.7664, 0.1686, 0.2522



37.7664, 0.3737, 0.2564

Complementary

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



37.7664, 0.3986, 0.4778



7.0943, 0.1902, 0.1238

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.



37.7664, 0.2864, 0.2186



37.7664, 0.3986, 0.4778



37.7664, 0.1785, 0.2118

Square

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



37.7664, 0.3986, 0.4778



37.7664, 0.1896, 0.3275



37.7664, 0.2179, 0.2023



37.7664, 0.4500, 0.3095

Rectangle

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



37.7664, 0.3986, 0.4778



37.7664, 0.2668, 0.4476



37.7664, 0.2179, 0.2023



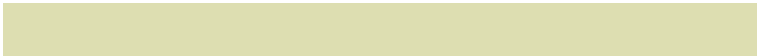
37.7664, 0.3440, 0.2417

Sweetspot

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



37.7681, 0.3986, 0.4778



70.6777, 0.3418, 0.3788



12.2992, 0.5195, 0.3320



15.7039, 0.3458, 0.3856



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



37.7681, 0.3986, 0.4778



67.1490, 0.4090, 0.4970



32.9601, 0.3440, 0.5112



9.3192, 0.3259, 0.3514



28.1106, 0.4148, 0.5088



0.7853, 0.4163, 0.5077

Inverse Universe

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



7.0943, 0.1902, 0.1238



7.9759, 0.1667, 0.0855



9.8439, 0.2473, 0.1499



7.7670, 0.2989, 0.3056



2.2422, 0.1510, 0.0606



0.0656, 0.1556, 0.0631

Previews

White Background



This preview shows how the Yxy color 37.7664, 0.3986, 0.4778 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 37.7664, 0.3986, 0.4778 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

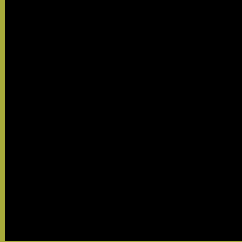
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.7664, 0.3986, 0.4778

Background



This preview shows how black text looks on a background with the Yxy color 37.7664, 0.3986, 0.4778.



This preview shows how white text looks on a background with the Yxy color 37.7664, 0.3986, 0.4778.

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

37.7664, 0.3986, 0.4778

Protanopia

37.5300, 0.4215, 0.4622

Deuteranopia

37.6059, 0.4463, 0.4366



Tritanopia

37.7039, 0.3202, 0.3127

Trichromacy



Original Color

37.7664, 0.3986, 0.4778

Protanomaly

37.5266, 0.4136, 0.4679

Deuteranomaly

37.3949, 0.4289, 0.4515

Tritanomaly

37.3036, 0.3534, 0.3761

Monochromacy



Original Color

37.7664, 0.3986, 0.4778

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

34.7982, 0.3490, 0.3908

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.7664, 0.3986, 0.4778 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(168, 171, 59)` looks like.

```
.text, #text, p{  
    color:rgb(168, 171, 59)  
}
```

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(168, 171, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 171, 59) }
```

Border

The CSS property to change the border of an element to Yxy 37.7664, 0.3986, 0.4778 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(168, 171, 59) }
```

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

```
.border{ border-color:rgb(168, 171, 59) }
```

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

Here you see how a box with a 4 pixel rgb(168, 171, 59) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 171, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 171, 59);  
box-shadow:4px 4px 4px 4px rgb(168, 171,  
59) }
```


Background

The CSS property to change the background color of an element to Yxy 37.7664, 0.3986, 0.4778 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 171, 59) }
```

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

```
.background{ background-color: rgb(168,  
171, 59) }
```

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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