

Converting Colors

$Y_{xy}(27.7884, 0.3034, 0.3737)$

Have a look what the booklet for
Yxy(27.7884, 0.3034, 0.3737)
contains.

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Color

Yxy(27.8848, 0.3037, 0.3747)

Conversions

Conversions Part 1

Format	Color
Hex	77987E
RGB	119, 152, 126
RGB Percent	47%, 60%, 49%
CMY	0.5334, 0.4039, 0.5058
CMYK	0.22, 0.00, 0.17, 0.40
HSL	133°, 14%, 53%
HSV	133°, 22%, 60%
XYZ	22.6011, 27.8848, 23.9332
YIQ	139.1690, -11.3220, -15.0820

Conversions

Conversions Part 2

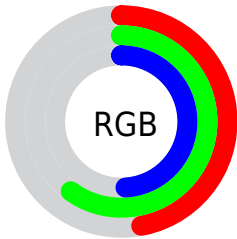
Format	Color
R_{YB}	119, 146, 152
Decimal	7837822
CIE _{Lab}	59.78, -16.89, 9.96
CIE _{LCh}	60, 19.611, 149.469
Y _{xy}	27.8848, 0.3037, 0.3747
Android (android.graphics.Color)	4286027902 (0xFF77987E)
Y _{UV}	139.1690, -6.4923, -17.6882
Hunter-Lab	52.8061, -16.0124, 10.0924

Details

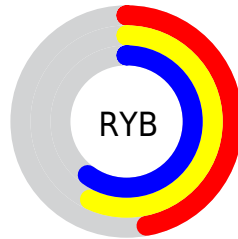
The Yxy color $27.8848, 0.3037, 0.3747$ is a dark color, and the websafe version is hex 669999 . A complement of this color would be $21.9104, 0.3232, 0.2873$, and the grayscale version is $25.9159, 0.3127, 0.3290$.

A 20% lighter version of the original color is $56.1679, 0.3059, 0.3638$, and $11.1453, 0.3001, 0.3926$ is the 20% darker color. If you saturate the color by 10%, you get $26.6045, 0.2997, 0.3996$, and if you desaturate by 10%, it is $29.3764, 0.3078, 0.3522$.

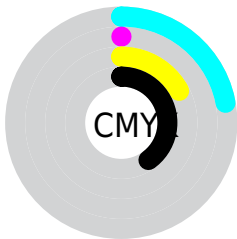
Distribution



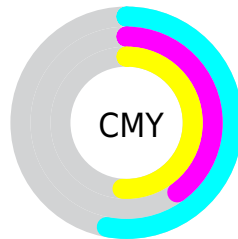
- Red (47%)
- Green (60%)
- Blue (49%)



- Red (47%)
- Yellow (57%)
- Blue (60%)



- Cyan (22%)
- Magenta (0%)
- Yellow (17%)
- Black (40%)





- Cyan (53%)
- Magenta (40%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.8848, 0.3037, 0.3747 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 27.8848, 0.3037, 0.3747 by changing the saturation by 10% instead.


 27.8848, 0.3037,
0.3747


 27.8848, 0.3037,
0.3747


291.9160, 0.3089,
0.3492


 18.2388, 0.3021,
0.3821


 56.3005, 0.3058,
0.3647

 11.1216, 0.2998,
0.3924


 75.8390, 0.3065,
0.3612

 6.1487, 0.2962,
0.4076

 99.4438, 0.3071,
0.3583

 2.9357, 0.2901,
0.4323

127.4992, 0.3076,
0.3559

 1.0983, 0.2808,
0.4996

160.3898, 0.3080,
0.3538

 0.0000, 0.0000,
0.0000

198.4999, 0.3084,

0.3521

242.2138, 0.3087,
0.3506

■ 27.8848, 0.3037,
0.3747

■ 27.8848, 0.3037,
0.3747

■ 26.6045, 0.2997,
0.3996

■ 29.3764, 0.3078,
0.3522

■ 25.5226, 0.2961,
0.4267

■ 31.0847, 0.3120,
0.3322

■ 24.6299, 0.2931,
0.4552

■ 33.0191, 0.3161,
0.3146

■ 23.9155, 0.2909,
0.4844

■ 35.1876, 0.3200,
0.2992

■ 23.3670, 0.2899,
0.5127

■ 37.5977, 0.3237,
0.2858

■ 22.9704, 0.2902,
0.5387

■ 40.2566, 0.3271,
0.2741

■ 22.7096, 0.2917,
0.5608

■ 43.1710, 0.3303,
0.2641

■ 22.5644, 0.2932,
0.5756

■ 46.3477, 0.3333,
0.2553

■ 49.6424, 0.3354,
0.2475

Harmonies

Analogous

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



27.8848, 0.3362, 0.3870



27.8848, 0.3037, 0.3747



27.8848, 0.2747, 0.3480

Triad

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



27.8848, 0.3037, 0.3747



27.8848, 0.2632, 0.2774



27.8848, 0.3726, 0.3364

Complementary

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



27.8848, 0.3037, 0.3747



21.9104, 0.3232, 0.2873

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.



27.8848, 0.3510, 0.3100



27.8848, 0.3037, 0.3747



27.8848, 0.2872, 0.2769

Square

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



27.8848, 0.3037, 0.3747



27.8848, 0.2522, 0.2912



27.8848, 0.3193, 0.2888



27.8848, 0.3770, 0.3625

Rectangle

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



27.8848, 0.3037, 0.3747



27.8848, 0.2609, 0.3269



27.8848, 0.3193, 0.2888



27.8848, 0.3670, 0.3274

Sweetspot

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



27.8860, 0.3037, 0.3747



53.1821, 0.3098, 0.3427



29.8462, 0.3374, 0.3828



12.0521, 0.3095, 0.3438



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



27.8860, 0.3037, 0.3747



48.0906, 0.3018, 0.3863



28.3353, 0.2896, 0.3459



6.9460, 0.3089, 0.3470



18.9222, 0.2929, 0.5746



0.2874, 0.2739, 0.5059

Inverse Universe

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



21.9104, 0.3232, 0.2873



35.6486, 0.3260, 0.2778



21.4488, 0.3427, 0.3127



6.3011, 0.3168, 0.3117



6.7321, 0.3817, 0.1877



0.1057, 0.3504, 0.1704

Previews

White Background



This preview shows how the Yxy color 27.8848, 0.3037, 0.3747 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 27.8848, 0.3037, 0.3747 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

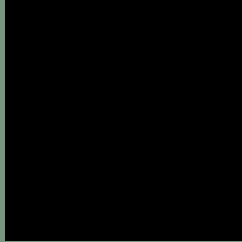
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

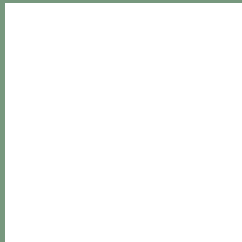
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 27.8848, 0.3037, 0.3747

Background



This preview shows how black text looks on a background with the Yxy color 27.8848, 0.3037, 0.3747.



This preview shows how white text looks on a background with the Yxy color 27.8848, 0.3037, 0.3747.

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

27.8848, 0.3037, 0.3747

Protanopia

27.6294, 0.3430, 0.3631

Deuteranopia

27.5485, 0.3506, 0.3430



Tritanopia

27.7306, 0.2803, 0.3091

Trichromacy



Original Color

27.8848, 0.3037, 0.3747

Protanomaly

27.4768, 0.3279, 0.3677

Deuteranomaly

27.4065, 0.3322, 0.3536

Tritanomaly

27.8124, 0.2889, 0.3323

Monochromacy



Original Color

27.8848, 0.3037, 0.3747

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

26.5733, 0.3098, 0.3460

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.8848, 0.3037, 0.3747 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, 152, 126)` looks like.

```
.text, #text, p{  
    color:rgb(119, 152, 126)  
}
```

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, 152, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 152, 126) }
```

Border

The CSS property to change the border of an element to Yxy 27.8848, 0.3037, 0.3747 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, 152, 126) }
```

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

```
.border{ border-color:rgb(119, 152, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 152, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 152, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 152, 126);  
box-shadow:4px 4px 4px 4px rgb(119, 152,  
126) }
```


Background

The CSS property to change the background color of an element to Yxy 27.8848, 0.3037, 0.3747 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 152, 126) }
```

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

```
.background{ background-color: rgb(119,  
152, 126) }
```

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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