

Converting Colors

$Y_{xy}(27.7710, 0.3265, 0.4006)$

Have a look what the booklet for
Yxy(27.7710, 0.3265, 0.4006)
contains.

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Color

Yxy(27.7710, 0.3265, 0.4006)

Conversions

Conversions Part 1

Format	Color
Hex	7F976E
RGB	127, 151, 110
RGB Percent	50%, 59%, 43%
CMY	0.5019, 0.4078, 0.5686
CMYK	0.16, 0.00, 0.27, 0.41
HSL	95°, 16%, 51%
HSV	95°, 27%, 59%
XYZ	22.6341, 27.7710, 18.9184
YIQ	139.1500, -1.1430, -17.8390

Conversions

Conversions Part 2

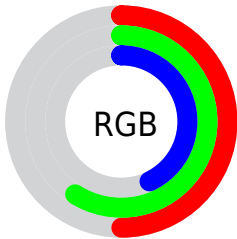
Format	Color
RYB	110, 151, 134
Decimal	8361838
CIELab	59.68, -16.30, 18.88
CIElCh	60, 24.942, 130.793
Yxy	27.7710, 0.3265, 0.4006
Android (android.graphics.Color)	4286551918 (0xFF7F976E)
YUV	139.1500, -14.3710, -10.6556
Hunter-Lab	52.6982, -15.5552, 15.6039

Details

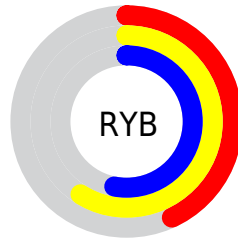
The Yxy color $27.7710, 0.3265, 0.4006$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $18.4537, 0.2949, 0.2593$, and the grayscale version is $25.9372, 0.3127, 0.3290$.

A 20% lighter version of the original color is $55.9746, 0.3239, 0.3843$, and $11.0399, 0.3294, 0.4284$ is the 20% darker color. If you saturate the color by 10%, you get $26.8218, 0.3308, 0.4303$, and if you desaturate by 10%, it is $28.8382, 0.3216, 0.3724$.

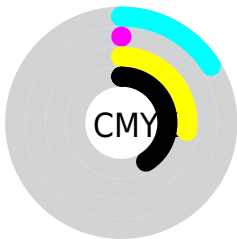
Distribution



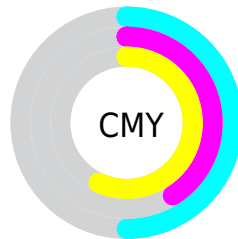
- Red (50%)
- Green (59%)
- Blue (43%)



- Red (43%)
- Yellow (59%)
- Blue (53%)



- Cyan (16%)
- Magenta (0%)
- Yellow (27%)
- Black (41%)




- Cyan (50%)
- Magenta (41%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.7710, 0.3265, 0.4006 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 27.7710, 0.3265, 0.4006 by changing the saturation by 10% instead.


 27.7710, 0.3265,
0.4006


 27.7710, 0.3265,
0.4006


291.3710, 0.3197,
0.3605


 18.1531, 0.3280,
0.4123


 56.1186, 0.3241,
0.3849


 11.0600, 0.3298,
0.4284


 75.6171, 0.3232,
0.3793

 6.1072, 0.3316,
0.4521

 99.1780, 0.3224,
0.3748

 2.9104, 0.3327,
0.4898

 127.1856, 0.3217,
0.3710

 1.0851, 0.3639,
0.6361

160.0243, 0.3211,
0.3678

 0.0000, 0.0000,
0.0000

198.0785, 0.3206,

0.3650

241.7326, 0.3202,
0.3626

■ 27.7710, 0.3265,
0.4006

■ 27.7710, 0.3265,
0.4006

■ 26.8218, 0.3308,
0.4303

■ 28.8382, 0.3216,
0.3724

■ 25.9825, 0.3343,
0.4606

■ 30.0239, 0.3165,
0.3463

■ 25.2499, 0.3364,
0.4904

■ 31.3331, 0.3112,
0.3224

■ 24.6186, 0.3370,
0.5181

■ 32.7696, 0.3061,
0.3009

■ 24.0833, 0.3358,
0.5423

■ 34.3369, 0.3011,
0.2816

■ 23.6377, 0.3328,
0.5614

■ 36.0384, 0.2964,
0.2645

■ 23.2723, 0.3282,
0.5751

■ 37.8773, 0.2920,
0.2492

■ 23.1788, 0.3269,
0.5787

■ 39.8568, 0.2878,
0.2357

■ 41.9799, 0.2839,
0.2237

Harmonies

Analogous

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



27.7710, 0.3650, 0.4010



27.7710, 0.3265, 0.4006



27.7710, 0.2859, 0.3766

Triad

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



27.7710, 0.3265, 0.4006



27.7710, 0.2398, 0.2723



27.7710, 0.3741, 0.3167

Complementary

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



27.7710, 0.3265, 0.4006



18.4537, 0.2949, 0.2593

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.



27.7710, 0.3368, 0.2874



27.7710, 0.3265, 0.4006



27.7710, 0.2599, 0.2620

Square

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



27.7710, 0.3265, 0.4006



27.7710, 0.2376, 0.2990



27.7710, 0.2947, 0.2679



27.7710, 0.3941, 0.3503

Rectangle

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



27.7710, 0.3265, 0.4006



27.7710, 0.2631, 0.3513



27.7710, 0.2947, 0.2679



27.7710, 0.3630, 0.3062

Sweetspot

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



27.7722, 0.3265, 0.4006



53.5442, 0.3170, 0.3488



24.7325, 0.3591, 0.3687



12.0992, 0.3177, 0.3524



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.



27.7722, 0.3265, 0.4006



48.6048, 0.3294, 0.4198



26.6504, 0.3062, 0.3980



7.0445, 0.3175, 0.3516



19.7342, 0.3273, 0.5783



0.3156, 0.3614, 0.5512

Inverse Universe

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



18.4537, 0.2949, 0.2593



28.8707, 0.2895, 0.2412



19.8560, 0.3199, 0.2685



6.1959, 0.3075, 0.3066



3.6978, 0.2219, 0.0996



0.0766, 0.2654, 0.1236

Previews

White Background



This preview shows how the Yxy color 27.7710, 0.3265, 0.4006 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 27.7710, 0.3265, 0.4006 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

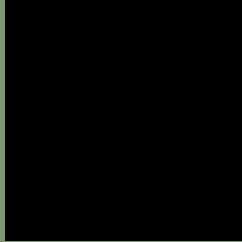
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.7710, 0.3265, 0.4006

Background



This preview shows how black text looks on a background with the Yxy color 27.7710, 0.3265, 0.4006.



This preview shows how white text looks on a background with the Yxy color 27.7710, 0.3265, 0.4006.

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

27.7710, 0.3265, 0.4006

Protanopia

27.5765, 0.3621, 0.3870

Deuteranopia

27.6940, 0.3743, 0.3673



Tritanopia

27.7194, 0.2913, 0.3111

Trichromacy



Original Color

27.7710, 0.3265, 0.4006

Protanomaly

27.5698, 0.3484, 0.3923

Deuteranomaly

27.5871, 0.3557, 0.3791

Tritanomaly

27.5568, 0.3039, 0.3425

Monochromacy



Original Color

27.7710, 0.3265, 0.4006

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

26.3543, 0.3190, 0.3546

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.7710, 0.3265, 0.4006 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(127, 151, 110)` looks like.

```
.text, #text, p{  
    color:rgb(127, 151, 110)  
}
```

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(127, 151, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 151, 110) }
```

Border

The CSS property to change the border of an element to Yxy 27.7710, 0.3265, 0.4006 is called "border". The border property can be set on classes, ids or directly on the HTML element.

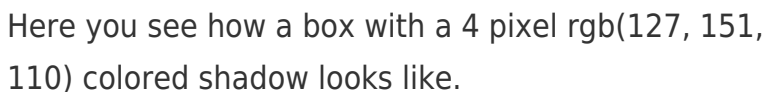
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(127, 151, 110) }
```

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

```
.border{ border-color:rgb(127, 151, 110) }
```

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



Here you see how a box with a 4 pixel `rgb(127, 151, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(127, 151, 110); -webkit-box-shadow:4px 4px 4px 4px rgb(127, 151, 110); box-shadow:4px 4px 4px 4px rgb(127, 151, 110) }
```


Background

The CSS property to change the background color of an element to Yxy 27.7710, 0.3265, 0.4006 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 151, 110) }
```

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

```
.background{ background-color: rgb(127,  
151, 110) }
```

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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