

Converting Colors

$Y_{xy}(27.1430, 0.3388, 0.4228)$

Have a look what the booklet for
Yxy(27.1430, 0.3388, 0.4228)
contains.

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Color

Yxy(27.1878, 0.3387, 0.4221)

Conversions

Conversions Part 1

Format	Color
Hex	7F9661
RGB	127, 150, 97
RGB Percent	50%, 59%, 38%
CMY	0.5020, 0.4117, 0.6196
CMYK	0.15, 0.00, 0.35, 0.41
HSL	86°, 21%, 48%
HSV	86°, 35%, 59%
XYZ	21.8159, 27.1878, 15.4071
YIQ	137.0810, 3.3050, -21.3590

Conversions

Conversions Part 2

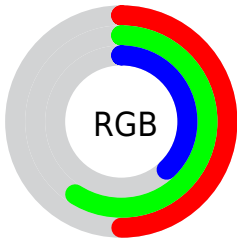
Format	Color
R_{YB}	97, 150, 120
Decimal	8361569
CIE _{Lab}	59.15, -17.78, 25.35
CIE _{LCh}	59, 30.958, 125.044
Yxy	27.1878, 0.3387, 0.4221
Android (android.graphics.Color)	4286551649 (0xFF7F9661)
YUV	137.0810, -19.7599, -8.8410
Hunter-Lab	52.1419, -16.5648, 18.9801

Details

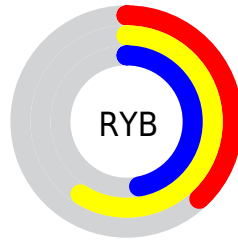
The Yxy color $27.1878, 0.3387, 0.4221$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $14.7455, 0.2780, 0.2339$, and the grayscale version is $25.1240, 0.3127, 0.3290$.

A 20% lighter version of the original color is $55.0271, 0.3340, 0.4016$, and $10.7318, 0.3447, 0.4568$ is the 20% darker color. If you saturate the color by 10%, you get $26.4512, 0.3448, 0.4505$, and if you desaturate by 10%, it is $28.0120, 0.3318, 0.3940$.

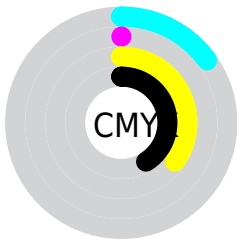
Distribution



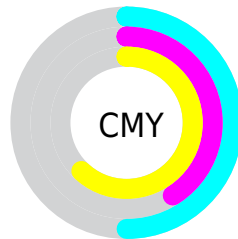
- Red (50%)
- Green (59%)
- Blue (38%)



- Red (38%)
- Yellow (59%)
- Blue (47%)



- Cyan (15%)
- Magenta (0%)
- Yellow (35%)
- Black (41%)





- Cyan (50%)
- Magenta (41%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.1878, 0.3387, 0.4221 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 27.1878, 0.3387, 0.4221 by changing the saturation by 10% instead.


 27.1878, 0.3387,
0.4221

 27.1878, 0.3387,
0.4221


288.5653, 0.3258,
0.3698


 17.7143, 0.3416,
0.4373

 55.1851, 0.3342,
0.4016

 10.7451, 0.3449,
0.4582


 74.4777, 0.3324,
0.3943

 5.8957, 0.3483,
0.4885

 97.8121, 0.3309,
0.3884

 2.7818, 0.3540,
0.5416

 125.5727, 0.3296,
0.3834

 1.0189, 0.3416,
0.6584

158.1439, 0.3285,
0.3792

 0.0000, 0.0000,
0.0000

195.9102, 0.3275,

0.3756

239.2558, 0.3266,
0.3725

■ 27.1878, 0.3387,
0.4221

■ 27.1878, 0.3387,
0.4221

■ 26.4512, 0.3448,
0.4505

■ 28.0120, 0.3318,
0.3940

■ 25.7950, 0.3495,
0.4782

■ 28.9237, 0.3243,
0.3671

■ 25.2166, 0.3526,
0.5038


■ 29.9270, 0.3167,
0.3417


■ 24.7115, 0.3535,
0.5262

■ 31.0250, 0.3092,
0.3183

■ 24.2750, 0.3523,
0.5442


■ 32.2206, 0.3019,
0.2969


 23.9006, 0.3489,
0.5573

 33.5163, 0.2950,
0.2776

 23.7403, 0.3470,
0.5626

 34.9148, 0.2884,
0.2602

 36.4185, 0.2823,
0.2445

 38.0298, 0.2766,
0.2306

Harmonies

Analogous

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



27.1878, 0.3848, 0.4152



27.1878, 0.3387, 0.4221



27.1878, 0.2879, 0.3975

Triad

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



27.1878, 0.3387, 0.4221



27.1878, 0.2210, 0.2631



27.1878, 0.3818, 0.3058

Complementary

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



27.1878, 0.3387, 0.4221



14.7455, 0.2780, 0.2339

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.



27.1878, 0.3321, 0.2723



27.1878, 0.3387, 0.4221



27.1878, 0.2412, 0.2475

Square

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



27.1878, 0.3387, 0.4221



27.1878, 0.2225, 0.2989



27.1878, 0.2806, 0.2515



27.1878, 0.4122, 0.3459

Rectangle

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



27.1878, 0.3387, 0.4221



27.1878, 0.2582, 0.3667



27.1878, 0.2806, 0.2515



27.1878, 0.3666, 0.2936

Sweetspot

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



27.1890, 0.3387, 0.4221



51.7496, 0.3212, 0.3564



20.7731, 0.3802, 0.3682



11.4219, 0.3221, 0.3595



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



27.1890, 0.3387, 0.4221



46.9900, 0.3433, 0.4434



25.4172, 0.3113, 0.4305



6.6206, 0.3197, 0.3513



19.7075, 0.3475, 0.5623



0.2587, 0.3797, 0.5367

Inverse Universe

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



14.7455, 0.2780, 0.2339



21.8352, 0.2685, 0.2115



16.9060, 0.3120, 0.2429



5.7487, 0.3053, 0.3066



2.7800, 0.1925, 0.0834



0.0509, 0.2424, 0.1109

Previews

White Background



This preview shows how the Yxy color 27.1878, 0.3387, 0.4221 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 27.1878, 0.3387, 0.4221 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

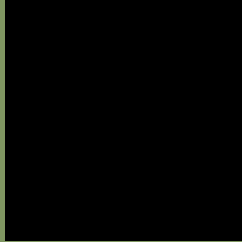
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.1878, 0.3387, 0.4221

Background



This preview shows how black text looks on a background with the Yxy color 27.1878, 0.3387, 0.4221.



This preview shows how white text looks on a background with the Yxy color 27.1878, 0.3387, 0.4221.

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

27.1878, 0.3387, 0.4221

Protanopia

27.0242, 0.3761, 0.4062

Deuteranopia

26.9634, 0.3910, 0.3839



Tritanopia

27.1289, 0.2940, 0.3110

Trichromacy



Original Color

27.1878, 0.3387, 0.4221

Protanomaly

27.0063, 0.3618, 0.4124

Deuteranomaly

26.8206, 0.3715, 0.3969

Tritanomaly

27.1568, 0.3106, 0.3511

Monochromacy



Original Color

27.1878, 0.3387, 0.4221

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

25.7377, 0.3230, 0.3637

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.1878, 0.3387, 0.4221 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, 150, 97)` looks like.

```
.text, #text, p{  
  color:rgb(127, 150, 97)  
}
```

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, 150, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 150, 97) }
```

Border

The CSS property to change the border of an element to Yxy 27.1878, 0.3387, 0.4221 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, 150, 97) }
```

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

```
.border{ border-color:rgb(127, 150, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 150, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 150, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 150, 97);  
box-shadow:4px 4px 4px 4px rgb(127, 150,  
97) }
```


Background

The CSS property to change the background color of an element to Yxy 27.1878, 0.3387, 0.4221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 150, 97) }
```

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

```
.background{ background-color: rgb(127,  
150, 97) }
```

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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