

Converting Colors

$Y_{xy}(27.8806, 0.3417, 0.4392)$

Have a look what the booklet for
Yxy(27.8806, 0.3417, 0.4392)
contains.

Yxy(27.8806, 0.3417, 0.4392)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(27.8806, 0.3417, 0.4392)

Conversions

Conversions Part 1

Format	Color
Hex	7D995A
RGB	125, 153, 90
RGB Percent	49%, 60%, 35%
CMY	0.5099, 0.4000, 0.6471
CMYK	0.18, 0.00, 0.41, 0.40
HSL	87°, 26%, 48%
HSV	87°, 41%, 60%
XYZ	21.6913, 27.8806, 13.9086
YIQ	137.4460, 3.5350, -25.5290

Conversions

Conversions Part 2

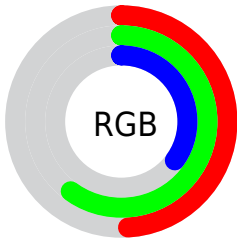
Format	Color
R_{YB}	90, 153, 118
Decimal	8231258
CIE _{Lab}	59.78, -21.09, 29.93
CIE _{LCh}	60, 36.615, 125.167
Yxy	27.8806, 0.3417, 0.4392
Android (android.graphics.Color)	4286421338 (0xFF7D995A)
YUV	137.4460, -23.3909, -10.9151
Hunter-Lab	52.8021, -19.0753, 21.3439

Details

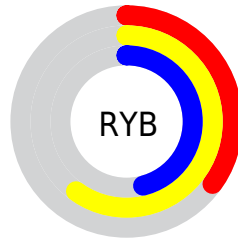
The Yxy color $27.8806, 0.3417, 0.4392$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $13.4641, 0.2714, 0.2165$, and the grayscale version is $25.2821, 0.3127, 0.3290$.

A 20% lighter version of the original color is $56.1324, 0.3374, 0.4144$, and $11.1658, 0.3485, 0.4822$ is the 20% darker color. If you saturate the color by 10%, you get $27.1528, 0.3469, 0.4675$, and if you desaturate by 10%, it is $28.6996, 0.3354, 0.4107$.

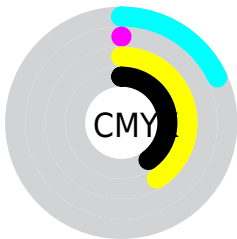
Distribution



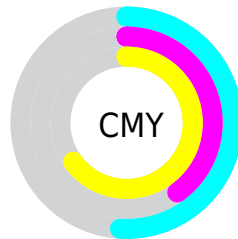
- Red (49%)
- Green (60%)
- Blue (35%)



- Red (35%)
- Yellow (60%)
- Blue (46%)



- Cyan (18%)
- Magenta (0%)
- Yellow (41%)
- Black (40%)





- Cyan (51%)
- Magenta (40%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.8806, 0.3417, 0.4392 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 27.8806, 0.3417, 0.4392 by changing the saturation by 10% instead.


 27.8806, 0.3417,
0.4392


 27.8806, 0.3417,
0.4392


291.8959, 0.3278,
0.3773


 18.2357, 0.3445,
0.4570


 56.2938, 0.3370,
0.4150

 11.1193, 0.3474,
0.4814


 75.8308, 0.3351,
0.4064

 6.1471, 0.3495,
0.5161

 99.4340, 0.3335,
0.3994

 2.9348, 0.3574,
0.5845

 127.4877, 0.3321,
0.3935

 1.0978, 0.3190,
0.6810

160.3763, 0.3308,
0.3885

 0.0000, 0.0000,
0.0000

198.4843, 0.3297,

0.3843

242.1961, 0.3287,
0.3806

■ 27.8806, 0.3417,
0.4392

■ 27.8806, 0.3417,
0.4392

■ 27.1528, 0.3469,
0.4675

■ 28.6996, 0.3354,
0.4107

■ 26.5086, 0.3505,
0.4944

■ 29.6097, 0.3284,
0.3828

■ 25.9447, 0.3522,
0.5185

■ 30.6158, 0.3210,
0.3564

■ 25.4561, 0.3517,
0.5386

■ 31.7211, 0.3136,
0.3318

■ 25.0373, 0.3490,
0.5538

■ 32.9287, 0.3063,
0.3092

■ 24.7144, 0.3454,
0.5640

■ 34.2414, 0.2993,
0.2886

■ 35.6622, 0.2926,
0.2701

■ 37.1937, 0.2864,
0.2535

■ 38.8385, 0.2805,
0.2386

Harmonies

Analogous

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



27.8806, 0.3957, 0.4292



27.8806, 0.3417, 0.4392



27.8806, 0.2827, 0.4104

Triad

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



27.8806, 0.3417, 0.4392



27.8806, 0.2071, 0.2518



27.8806, 0.3940, 0.3017

Complementary

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



27.8806, 0.3417, 0.4392



13.4641, 0.2714, 0.2165

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.



27.8806, 0.3353, 0.2638



27.8806, 0.3417, 0.4392



27.8806, 0.2300, 0.2348

Square

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



27.8806, 0.3417, 0.4392



27.8806, 0.2084, 0.2926



27.8806, 0.2751, 0.2399



27.8806, 0.4295, 0.3474

Rectangle

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



27.8806, 0.3417, 0.4392



27.8806, 0.2486, 0.3732



27.8806, 0.2751, 0.2399



27.8806, 0.3759, 0.2879

Sweetspot

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



27.8818, 0.3417, 0.4392



54.6246, 0.3218, 0.3591



20.3035, 0.3949, 0.3750



12.0141, 0.3227, 0.3621



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.



27.8818, 0.3417, 0.4392



48.7719, 0.3463, 0.4641



25.9134, 0.3108, 0.4505



7.0861, 0.3196, 0.3514



20.4433, 0.3459, 0.5636



0.3272, 0.3775, 0.5385

Inverse Universe

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



13.4641, 0.2714, 0.2165



19.5125, 0.2599, 0.1904



15.9825, 0.3117, 0.2289



6.1541, 0.3054, 0.3065



2.9375, 0.1942, 0.0844



0.0650, 0.2430, 0.1112

Previews

White Background



This preview shows how the Yxy color 27.8806, 0.3417, 0.4392 looks on a white background.

Color Contrast Check

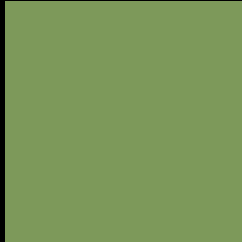
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.8806, 0.3417, 0.4392 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 27.8806, 0.3417, 0.4392

Background



This preview shows how black text looks on a background with the Yxy color 27.8806, 0.3417, 0.4392.



This preview shows how white text looks on a background with the Yxy color 27.8806, 0.3417, 0.4392.

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

27.8806, 0.3417, 0.4392

Protanopia

27.7865, 0.3863, 0.4200

Deuteranopia

27.5837, 0.4016, 0.3929



Tritanopia

27.7535, 0.2904, 0.3095

Trichromacy



Original Color

27.8806, 0.3417, 0.4392

Protanomaly

27.5753, 0.3695, 0.4276

Deuteranomaly

27.5032, 0.3788, 0.4085

Tritanomaly

27.6986, 0.3095, 0.3545

Monochromacy



Original Color

27.8806, 0.3417, 0.4392

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

25.9875, 0.3248, 0.3689

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.8806, 0.3417, 0.4392 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(125, 153, 90)` looks like.

```
.text, #text, p{  
    color:rgb(125, 153, 90)  
}
```

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(125, 153, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 153, 90) }
```

Border

The CSS property to change the border of an element to Yxy 27.8806, 0.3417, 0.4392 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(125, 153, 90) }
```

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

```
.border{ border-color:rgb(125, 153, 90) }
```

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

Here you see how a box with a 4 pixel rgb(125, 153, 90) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 153, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 153, 90);  
box-shadow:4px 4px 4px 4px rgb(125, 153,  
90) }
```


Background

The CSS property to change the background color of an element to Yxy 27.8806, 0.3417, 0.4392 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 153, 90) }
```

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

```
.background{ background-color: rgb(125,  
153, 90) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor