

Converting Colors

$Y_{xy}(17.4991, 0.3279, 0.4235)$

Have a look what the booklet for
Yxy(17.4991, 0.3279, 0.4235)
contains.

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Color

Yxy(17.5359, 0.3283, 0.4238)

Conversions

Conversions Part 1

Format	Color
Hex	617C50
RGB	97, 124, 80
RGB Percent	38%, 49%, 31%
CMY	0.6197, 0.5137, 0.6863
CMYK	0.22, 0.00, 0.35, 0.51
HSL	97°, 22%, 40%
HSV	97°, 35%, 49%
XYZ	13.5843, 17.5359, 10.2575
YIQ	110.9110, -1.9680, -19.4080

Conversions

Conversions Part 2

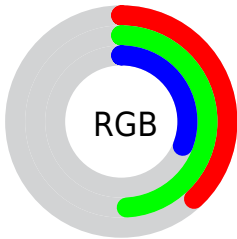
Format	Color
R_{YB}	80, 124, 107
Decimal	6388816
CIE _{Lab}	48.93, -18.44, 20.94
CIE _{LCh}	49, 27.906, 131.372
Yxy	17.5359, 0.3283, 0.4238
Android (android.graphics.Color)	4284578896 (0xFF617C50)
YUV	110.9110, -15.2391, -12.1999
Hunter-Lab	41.8759, -15.3783, 14.7900

Details

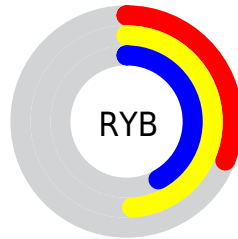
The Yxy color **17.5359, 0.3283, 0.4238** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **10.3192, 0.2904, 0.2384**, and the grayscale version is **15.9143, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.3519, 0.3250, 0.4001**, and **5.8065, 0.3298, 0.4687** is the 20% darker color. If you saturate the color by 10%, you get **16.9717, 0.3315, 0.4539**, and if you desaturate by 10%, it is **18.1756, 0.3244, 0.3947**.

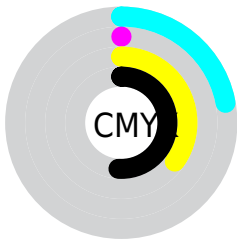
Distribution



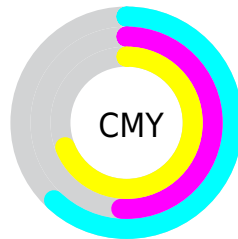
- Red (38%)
- Green (49%)
- Blue (31%)



- Red (31%)
- Yellow (49%)
- Blue (42%)



- Cyan (22%)
- Magenta (0%)
- Yellow (35%)
- Black (51%)





- Cyan (62%)
- Magenta (51%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.5359, 0.3283, 0.4238 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 17.5359, 0.3283, 0.4238 by changing the saturation by 10% instead.


 17.5359, 0.3283,
0.4238


 17.5359, 0.3283,
0.4238


238.2420, 0.3205,
0.3668


 10.6173, 0.3298,
0.4425


 39.2449, 0.3257,
0.4001


 5.8101, 0.3310,
0.4702

 54.8041, 0.3246,
0.3922


 2.7300, 0.3307,
0.5150

 74.0123, 0.3237,
0.3859

 0.9924, 0.3302,
0.6698

 97.2539, 0.3229,
0.3807

 0.0000, 0.0000,
0.0000

 124.9132, 0.3222,
0.3763

157.3748, 0.3216,

0.3727

195.0229, 0.3210,
0.3695

■ 17.5359, 0.3283,
0.4238

■ 17.5359, 0.3283,
0.4238

■ 16.9717, 0.3315,
0.4539

■ 18.1756, 0.3244,
0.3947

■ 16.4777, 0.3336,
0.4838

■ 18.8914, 0.3199,
0.3673

■ 16.0515, 0.3343,
0.5122


■ 19.6866, 0.3153,
0.3419

■ 15.6895, 0.3334,
0.5375


■ 20.5637, 0.3106,
0.3189


■ 15.3879, 0.3307,
0.5582

■ 21.5251, 0.3060,
0.2981

 15.1409, 0.3266,
0.5737

 22.5732, 0.3015,
0.2796

 15.0421, 0.3249,
0.5803

 23.7101, 0.2973,
0.2631

 24.9379, 0.2933,
0.2484

 26.2587, 0.2895,
0.2354

Harmonies

Analogous

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



17.5359, 0.3786, 0.4228



17.5359, 0.3283, 0.4238



17.5359, 0.2762, 0.3915

Triad

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



17.5359, 0.3283, 0.4238



17.5359, 0.2201, 0.2551



17.5359, 0.3937, 0.3131

Complementary

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



17.5359, 0.3283, 0.4238



10.3192, 0.2904, 0.2384

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.



17.5359, 0.3446, 0.2765



17.5359, 0.3283, 0.4238



17.5359, 0.2454, 0.2436

Square

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



17.5359, 0.3283, 0.4238



17.5359, 0.2167, 0.2879



17.5359, 0.2898, 0.2517



17.5359, 0.4193, 0.3553

Rectangle

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



17.5359, 0.3283, 0.4238



17.5359, 0.2475, 0.3569



17.5359, 0.2898, 0.2517



17.5359, 0.3792, 0.3000

Sweetspot

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



17.5367, 0.3283, 0.4238



33.8153, 0.3180, 0.3563



15.2559, 0.3743, 0.3818



7.9286, 0.3185, 0.3591



63.8283, 0.3127, 0.3290



8.3535, 0.3127, 0.3290

Same Dimension

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



17.5367, 0.3283, 0.4238



30.0012, 0.3311, 0.4494



16.7685, 0.3036, 0.4196



4.5184, 0.3170, 0.3507



15.2888, 0.3248, 0.5803



72.4707, 0.3213, 0.5831

Inverse Universe

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



10.3192, 0.2904, 0.2384



15.2077, 0.2833, 0.2152



11.3690, 0.3234, 0.2527



4.0039, 0.3081, 0.3075



3.0452, 0.2291, 0.1036



14.0241, 0.2246, 0.1011

Previews

White Background



This preview shows how the Yxy color 17.5359, 0.3283, 0.4238 looks on a white 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

Black Background



This preview shows how the Yxy color 17.5359, 0.3283, 0.4238 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

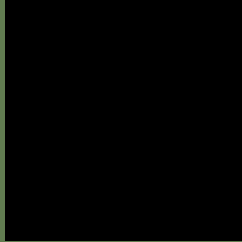
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.5359, 0.3283, 0.4238

Background



This preview shows how black text looks on a background with the Yxy color 17.5359, 0.3283, 0.4238.



This preview shows how white text looks on a background with the Yxy color 17.5359, 0.3283, 0.4238.

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

17.5359, 0.3283, 0.4238

Protanopia

17.4622, 0.3748, 0.4043

Deuteranopia

17.3967, 0.3876, 0.3804



Tritanopia

17.4584, 0.2847, 0.3091

Trichromacy



Original Color

17.5359, 0.3283, 0.4238

Protanomaly

17.3885, 0.3564, 0.4120

Deuteranomaly

17.3109, 0.3644, 0.3958

Tritanomaly

17.3473, 0.2997, 0.3476

Monochromacy



Original Color

17.5359, 0.3283, 0.4238

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

16.4751, 0.3189, 0.3626

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.5359, 0.3283, 0.4238 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(97, 124, 80)` looks like.

```
.text, #text, p{  
    color:rgb(97, 124, 80)  
}
```

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(97, 124, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 124, 80) }
```

Border

The CSS property to change the border of an element to Yxy 17.5359, 0.3283, 0.4238 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(97, 124, 80) }
```

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

```
.border{ border-color:rgb(97, 124, 80) }
```

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

Here you see how a box with a 4 pixel rgb(97, 124, 80) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 124, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 124, 80);  
box-shadow:4px 4px 4px 4px rgb(97, 124,  
80) }
```


Background

The CSS property to change the background color of an element to Yxy 17.5359, 0.3283, 0.4238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 124, 80) }
```

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

```
.background{ background-color: rgb(97, 124,  
80) }
```

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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