

Converting Colors

$Y_{xy}(17.4685, 0.2758, 0.3580)$

Have a look what the booklet for
Yxy(17.4685, 0.2758, 0.3580)
contains.

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Color

Yxy(17.4993, 0.2753, 0.3573)

Conversions

Conversions Part 1

Format	Color
Hex	4F7D70
RGB	79, 125, 112
RGB Percent	31%, 49%, 44%
CMY	0.6901, 0.5098, 0.5608
CMYK	0.37, 0.00, 0.10, 0.51
HSL	163°, 23%, 40%
HSV	163°, 37%, 49%
XYZ	13.4832, 17.4993, 17.9940
YIQ	109.7640, -23.2430, -13.7950

Conversions

Conversions Part 2

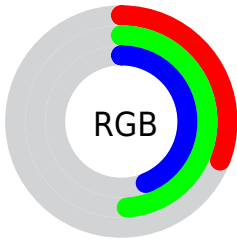
Format	Color
R _Y B	79, 106, 125
Decimal	5209456
CIE Lab	48.88, -18.90, 2.11
CIE LCh	49, 19.018, 173.619
Yxy	17.4993, 0.2753, 0.3573
Android (android.graphics.Color)	4283399536 (0xFF4F7D70)
YUV	109.7640, 1.1023, -26.9800
Hunter-Lab	41.8322, -15.6727, 3.7791

Details

The Yxy color **17.4993, 0.2753, 0.3573** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **10.7275, 0.3723, 0.3029**, and the grayscale version is **15.5247, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.2670, 0.2839, 0.3502**, and **5.8151, 0.2590, 0.3723** is the 20% darker color. If you saturate the color by 10%, you get **16.9361, 0.2671, 0.3665**, and if you desaturate by 10%, it is **18.1678, 0.2845, 0.3487**.

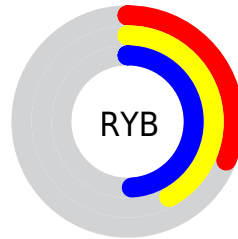
Distribution



Red (31%)

Green (49%)

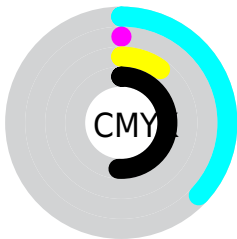
Blue (44%)



Red (31%)

Yellow (42%)

Blue (49%)

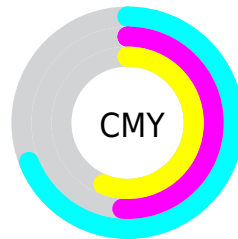


Cyan (37%)

Magenta (0%)

Yellow (10%)

Black (51%)



Cyan (69%)


Magenta (51%)


Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.4993, 0.2753, 0.3573 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 17.4993, 0.2753, 0.3573 by changing the saturation by 10% instead.


 17.4993, 0.2753,
0.3573


 17.4993, 0.2753,
0.3573


238.0335, 0.2971,
0.3407


 10.5911, 0.2685,
0.3626


 39.1823, 0.2841,
0.3505


 5.7926, 0.2586,
0.3703

 54.7259, 0.2872,
0.3482

 2.7194, 0.2431,
0.3827

 73.9167, 0.2896,
0.3463

 0.9870, 0.1986,
0.4141

 97.1392, 0.2916,
0.3448

 0.0000, 0.0000,
0.0000

 124.7777, 0.2933,
0.3435

157.2167, 0.2948,

0.3424

194.8405, 0.2960,
0.3415

■ 17.4993, 0.2753,
0.3573

■ 17.4993, 0.2753,
0.3573

■ 16.9361, 0.2671,
0.3665

■ 18.1678, 0.2845,
0.3487

■ 16.4704, 0.2603,
0.3761

■ 18.9449, 0.2946,
0.3408

■ 16.0966, 0.2551,
0.3861

■ 19.8359, 0.3053,
0.3335

■ 15.8078, 0.2517,
0.3963

■ 20.8457, 0.3163,
0.3270

■ 15.5959, 0.2501,
0.4066

■ 21.9784, 0.3274,
0.3211

■ 15.4448, 0.2500,
0.4169

■ 23.2382, 0.3385,
0.3158

■ 15.3994, 0.2501,
0.4202

■ 24.6291, 0.3495,
0.3111

■ 26.1548, 0.3602,
0.3070

■ 27.8188, 0.3705,
0.3034

Harmonies

Analogous

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



17.4993, 0.3094, 0.3855



17.4993, 0.2753, 0.3573



17.4993, 0.2519, 0.3215

Triad

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



17.4993, 0.2753, 0.3573



17.4993, 0.2776, 0.2694



17.4993, 0.3863, 0.3610

Complementary

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



17.4993, 0.2753, 0.3573



10.7275, 0.3723, 0.3029

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.



17.4993, 0.3772, 0.3311



17.4993, 0.2753, 0.3573



17.4993, 0.3126, 0.2803

Square

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



17.4993, 0.2753, 0.3573



17.4993, 0.2533, 0.2726



17.4993, 0.3496, 0.3023



17.4993, 0.3743, 0.3850

Rectangle

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



17.4993, 0.2753, 0.3573



17.4993, 0.2449, 0.2998



17.4993, 0.3496, 0.3023



17.4993, 0.3857, 0.3513

Sweetspot

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



17.5000, 0.2753, 0.3573



34.7806, 0.3005, 0.3367



17.5097, 0.3230, 0.4296



7.8724, 0.2993, 0.3375



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.



17.5000, 0.2753, 0.3573



30.4894, 0.2685, 0.3648



15.4136, 0.2604, 0.3073



4.8668, 0.3028, 0.3352



16.0711, 0.2501, 0.4204



0.0000, 0.0000, 0.0000

Inverse Universe

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



10.7275, 0.3723, 0.3029



16.5203, 0.3924, 0.2970



12.0661, 0.3893, 0.3495



4.3627, 0.3238, 0.3229



4.6783, 0.5745, 0.2939



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 17.4993, 0.2753, 0.3573 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 17.4993, 0.2753, 0.3573 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

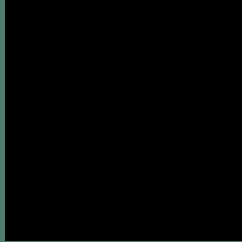
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.4993, 0.2753, 0.3573

Background



This preview shows how black text looks on a background with the Yxy color 17.4993, 0.2753, 0.3573.

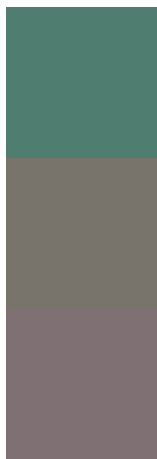


This preview shows how white text looks on a background with the Yxy color 17.4993, 0.2753, 0.3573.

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

17.4993, 0.2753, 0.3573

Protanopia

17.3161, 0.3291, 0.3448

Deuteranopia

17.3382, 0.3290, 0.3234



Tritanopia

17.4698, 0.2608, 0.3083

Trichromacy



Original Color

17.4993, 0.2753, 0.3573

Protanomaly

17.3010, 0.3068, 0.3496

Deuteranomaly

17.2525, 0.3074, 0.3350

Tritanomaly

17.4404, 0.2655, 0.3246

Monochromacy



Original Color

17.4993, 0.2753, 0.3573

Achromatopsia

15.5926, 0.3127, 0.3290

Achromatomaly

16.0618, 0.2972, 0.3374

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.4993, 0.2753, 0.3573 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(79, 125, 112)` looks like.

```
.text, #text, p{  
  color:rgb(79, 125, 112)  
}
```

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(79, 125, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 125, 112) }
```

Border

The CSS property to change the border of an element to Yxy 17.4993, 0.2753, 0.3573 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(79, 125, 112) }
```

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

```
.border{ border-color:rgb(79, 125, 112) }
```

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

Here you see how a box with a 4 pixel rgb(79, 125, 112) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 125, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 125, 112);  
box-shadow:4px 4px 4px 4px rgb(79, 125,  
112) }
```


Background

The CSS property to change the background color of an element to Yxy 17.4993, 0.2753, 0.3573 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 125, 112) }
```

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

```
.background{ background-color: rgb(79, 125,  
112) }
```

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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