

Converting Colors

$Y_{xy}(17.8454, 0.2675, 0.3413)$

Have a look what the booklet for
Yxy(17.8454, 0.2675, 0.3413)
contains.

Yxy(17.8975, 0.2672, 0.3417)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(17.8975, 0.2672, 0.3417)

Conversions

Conversions Part 1

Format	Color
Hex	4E7E78
RGB	78, 126, 120
RGB Percent	31%, 49%, 47%
CMY	0.6939, 0.5059, 0.5294
CMYK	0.38, 0.00, 0.05, 0.51
HSL	172°, 24%, 40%
HSV	172°, 38%, 49%
XYZ	13.9954, 17.8975, 20.4850
YIQ	110.9640, -26.6820, -12.0420

Conversions

Conversions Part 2

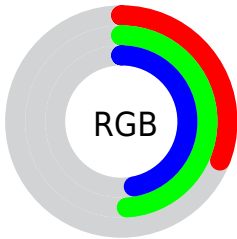
Format	Color
R_{YB}	78, 104, 126
Decimal	5144184
CIE _{Lab}	49.37, -17.74, -1.89
CIE _{LCh}	49, 17.845, 186.084
Y _{xy}	17.8975, 0.2672, 0.3417
Android (android.graphics.Color)	4283334264 (0xFF4E7E78)
YUV	110.9640, 4.4547, -28.9094
Hunter-Lab	42.3054, -14.9837, 0.9046

Details

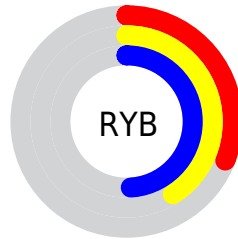
The Yxy color **17.8975, 0.2672, 0.3417** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **10.5313, 0.3894, 0.3171**, and the grayscale version is **15.8810, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.8859, 0.2776, 0.3394**, and **6.0225, 0.2474, 0.3463** is the 20% darker color. If you saturate the color by 10%, you get **17.3777, 0.2578, 0.3456**, and if you desaturate by 10%, it is **18.5213, 0.2779, 0.3380**.

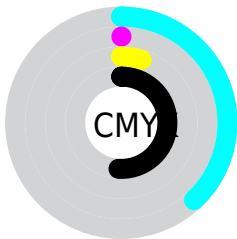
Distribution



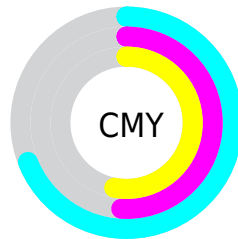
- Red (31%)
- Green (49%)
- Blue (47%)



- Red (31%)
- Yellow (41%)
- Blue (49%)



- Cyan (38%)
- Magenta (0%)
- Yellow (5%)
- Black (51%)



- Cyan (69%)
- Magenta (51%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.8975, 0.2672, 0.3417 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 17.8975, 0.2672, 0.3417 by changing the saturation by 10% instead.

■ 17.8975, 0.2672,
0.3417

■ 17.8975, 0.2672,
0.3417

■ 240.2927, 0.2934,
0.3346

■ 10.8764, 0.2592,
0.3438

■ 39.8626, 0.2777,
0.3389

■ 5.9838, 0.2477,
0.3467

■ 55.5754, 0.2813,
0.3379

■ 2.8352, 0.2302,
0.3510

■ 74.9542, 0.2843,
0.3371

■ 1.0463, 0.1911,
0.3617

■ 98.3835, 0.2867,
0.3364

■ 0.0000, 0.0000,
0.0000

■ 126.2476, 0.2888,
0.3358

158.9309, 0.2905,

0.3354

196.8178, 0.2921,
0.3349

■ 17.8975, 0.2672,
0.3417

■ 17.8975, 0.2672,
0.3417

■ 17.3777, 0.2578,
0.3456

■ 18.5213, 0.2779,
0.3380

■ 16.9540, 0.2500,
0.3496

■ 19.2525, 0.2896,
0.3346

■ 16.6207, 0.2438,
0.3538

■ 20.0966, 0.3022,
0.3314

■ 16.3704, 0.2394,
0.3580

■ 21.0584, 0.3153,
0.3285

■ 16.1950, 0.2368,
0.3622

■ 22.1424, 0.3287,
0.3258

■ 16.0740, 0.2356,
0.3664

■ 23.3527, 0.3423,
0.3235

■ 16.0515, 0.2353,
0.3672

■ 24.6933, 0.3558,
0.3214

■ 26.1681, 0.3690,
0.3195

■ 27.7806, 0.3819,
0.3179

Harmonies

Analogous

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



17.8975, 0.2958, 0.3721



17.8975, 0.2672, 0.3417



17.8975, 0.2510, 0.3092

Triad

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



17.8975, 0.2672, 0.3417



17.8975, 0.2928, 0.2760



17.8975, 0.3789, 0.3694

Complementary

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



17.8975, 0.2672, 0.3417



10.5313, 0.3894, 0.3171

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.



17.8975, 0.3786, 0.3430



17.8975, 0.2672, 0.3417



17.8975, 0.3274, 0.2909

Square

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



17.8975, 0.2672, 0.3417



17.8975, 0.2651, 0.2734



17.8975, 0.3594, 0.3148



17.8975, 0.3606, 0.3872

Rectangle

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



17.8975, 0.2672, 0.3417



17.8975, 0.2487, 0.2915



17.8975, 0.3594, 0.3148



17.8975, 0.3810, 0.3612

Sweetspot

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



17.8982, 0.2672, 0.3417



34.8794, 0.2981, 0.3324



17.3764, 0.3147, 0.4364



7.8970, 0.2967, 0.3327



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.



17.8982, 0.2672, 0.3417



30.6731, 0.2587, 0.3452



13.9405, 0.2564, 0.2902



4.8779, 0.3008, 0.3317



16.4681, 0.2354, 0.3672



0.0000, 0.0000, 0.0000

Inverse Universe

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



10.5313, 0.3894, 0.3171



15.6809, 0.4176, 0.3144



13.2838, 0.3876, 0.3645



4.3523, 0.3260, 0.3263



4.5878, 0.6190, 0.3183



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 17.8975, 0.2672, 0.3417 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 17.8975, 0.2672, 0.3417 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

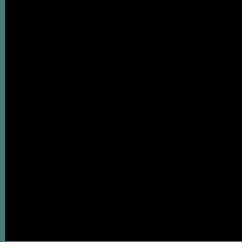
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.8975, 0.2672, 0.3417

Background



This preview shows how black text looks on a background with the Yxy color 17.8975, 0.2672, 0.3417.



This preview shows how white text looks on a background with the Yxy color 17.8975, 0.2672, 0.3417.

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

17.8975, 0.2672, 0.3417

Protanopia

17.6276, 0.3190, 0.3329

Deuteranopia

17.6759, 0.3175, 0.3103



Tritanopia

17.9304, 0.2578, 0.3084

Trichromacy



Original Color

17.8975, 0.2672, 0.3417

Protanomaly

17.6370, 0.2977, 0.3371

Deuteranomaly

17.6132, 0.2971, 0.3210

Tritanomaly

18.0015, 0.2616, 0.3205

Monochromacy



Original Color

17.8975, 0.2672, 0.3417

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

16.3583, 0.2938, 0.3331

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.8975, 0.2672, 0.3417 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(78, 126, 120)` looks like.

```
.text, #text, p{  
    color:rgb(78, 126, 120)  
}
```

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(78, 126, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 126, 120) }
```

Border

The CSS property to change the border of an element to Yxy 17.8975, 0.2672, 0.3417 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(78, 126, 120) }
```

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

```
.border{ border-color:rgb(78, 126, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 126, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 126, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 126, 120);  
box-shadow:4px 4px 4px 4px rgb(78, 126,  
120) }
```


Background

The CSS property to change the background color of an element to Yxy 17.8975, 0.2672, 0.3417 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 126, 120) }
```

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

```
.background{ background-color: rgb(78, 126,  
120) }
```

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