

# Converting Colors

$Y_{xy}(17.2042, 0.2599, 0.3443)$

Have a look what the booklet for  
Yxy(17.2042, 0.2599, 0.3443)  
contains.

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# Color

**$\text{Yxy}(17.2042, 0.2599, 0.3443)$**

# Conversions

## Conversions Part 1

Format	Color
Hex	447D76
RGB	68, 125, 118
RGB Percent	27%, 49%, 46%
CMY	0.7334, 0.5098, 0.5372
CMYK	0.46, 0.00, 0.06, 0.51
HSL	173°, 30%, 38%
HSV	173°, 46%, 49%
XYZ	12.9868, 17.2042, 19.7776
YIQ	107.1590, -31.7250, -14.2610

# Conversions

## Conversions Part 2

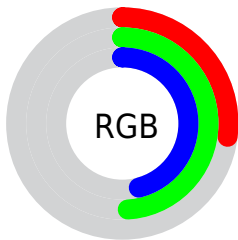
Format	Color
R <sub>YB</sub>	68, 98, 125
Decimal	4488566
CIE Lab	48.52, -20.56, -2.03
CIE LCh	49, 20.659, 185.643
Yxy	17.2042, 0.2599, 0.3443
Android (android.graphics.Color)	4282678646 (0xFF447D76)
YUV	107.1590, 5.3446, -34.3424
Hunter-Lab	41.4779, -16.6976, 0.7638

# Details

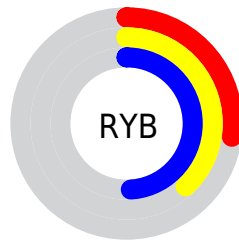
The Yxy color **17.2042, 0.2599, 0.3443** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **9.0003, 0.4129, 0.3151**, and the grayscale version is **14.7402, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.7361, 0.2724, 0.3412**, and **5.6966, 0.2374, 0.3507** is the 20% darker color. If you saturate the color by 10%, you get **16.7663, 0.2516, 0.3482**, and if you desaturate by 10%, it is **17.7399, 0.2696, 0.3405**.

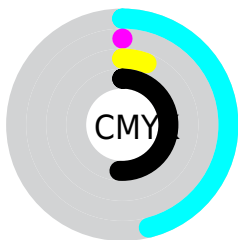
# Distribution



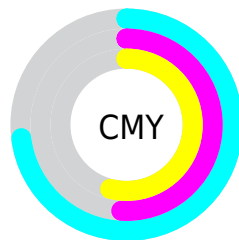
- Red (27%)
- Green (49%)
- Blue (46%)



- Red (27%)
- Yellow (38%)
- Blue (49%)



- Cyan (46%)
- Magenta (0%)
- Yellow (6%)
- Black (51%)




- Cyan (73%)
- Magenta (51%)
- Yellow (54%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 17.2042, 0.2599, 0.3443 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 17.2042, 0.2599, 0.3443 by changing the saturation by 10% instead.





 17.2042, 0.2599,  
0.3443


 17.2042, 0.2599,  
0.3443


236.3464, 0.2904,  
0.3357


 10.3802, 0.2505,  
0.3468


 38.6765, 0.2722,  
0.3409


 5.6518, 0.2370,  
0.3504

 54.0936, 0.2764,  
0.3397


 2.6345, 0.2163,  
0.3555

 73.1439, 0.2799,  
0.3387

 0.9440, 0.1563,  
0.3744

 96.2117, 0.2827,  
0.3379

 0.0000, 0.0000,  
0.0000

 123.6815, 0.2851,  
0.3372

155.9376, 0.2871,

0.3366

193.3644, 0.2889,  
0.3361

■ 17.2042, 0.2599,  
0.3443

■ 17.2042, 0.2599,  
0.3443

■ 16.7663, 0.2516,  
0.3482

■ 17.7399, 0.2696,  
0.3405

■ 16.4180, 0.2450,  
0.3523

■ 18.3770, 0.2806,  
0.3370

■ 16.1531, 0.2402,  
0.3564


■ 19.1214, 0.2926,  
0.3337


■ 15.9637, 0.2371,  
0.3605


■ 19.9778, 0.3053,  
0.3306


■ 15.8369, 0.2356,  
0.3646


■ 20.9507, 0.3186,  
0.3278

 15.7868, 0.2351,  
0.3664

 22.0446, 0.3321,  
0.3253

 23.2634, 0.3456,  
0.3230

 24.6110, 0.3591,  
0.3211

 26.0911, 0.3723,  
0.3193

# Harmonies

## Analogous

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



17.2042, 0.2931, 0.3806



17.2042, 0.2599, 0.3443



17.2042, 0.2411, 0.3058

# Triad

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



17.2042, 0.2599, 0.3443



17.2042, 0.2886, 0.2674



17.2042, 0.3905, 0.3752

# Complementary

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



17.2042, 0.2599, 0.3443



9.0003, 0.4129, 0.3151

# 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.



17.2042, 0.3900, 0.3442



17.2042, 0.2599, 0.3443



17.2042, 0.3291, 0.2845

# Square

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



17.2042, 0.2599, 0.3443



17.2042, 0.2568, 0.2644



17.2042, 0.3670, 0.3118



17.2042, 0.3690, 0.3969



# Rectangle

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



17.2042, 0.2599, 0.3443



17.2042, 0.2384, 0.2852



17.2042, 0.3670, 0.3118



17.2042, 0.3930, 0.3655

# Sweetspot

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



17.2049, 0.2599, 0.3443



34.4235, 0.2942, 0.3333



16.6051, 0.3145, 0.4612



7.7713, 0.2920, 0.3338



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.



17.2049, 0.2599, 0.3443



29.9722, 0.2511, 0.3485



12.6293, 0.2458, 0.2811



4.8781, 0.3008, 0.3316



16.4748, 0.2351, 0.3665



0.0000, 0.0000, 0.0000



# Inverse Universe

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



9.0003, 0.4129, 0.3151



13.2780, 0.4513, 0.3125



11.9041, 0.4077, 0.3715



4.3522, 0.3260, 0.3264



4.5869, 0.6194, 0.3186



0.0000, 0.0000, 0.0000



# Previews

## White Background



This preview shows how the Yxy color 17.2042, 0.2599, 0.3443 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 17.2042, 0.2599, 0.3443 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

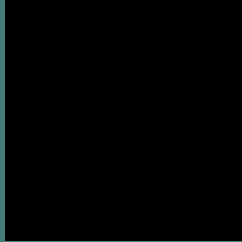
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**Yxy 17.2042, 0.2599, 0.3443**

## Background



This preview shows how black text looks on a background with the Yxy color 17.2042, 0.2599, 0.3443.



This preview shows how white text looks on a background with the Yxy color 17.2042, 0.2599, 0.3443.

# 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

17.2042, 0.2599, 0.3443

### Protanopia

16.9864, 0.3191, 0.3330

### Deuteranopia

16.9603, 0.3163, 0.3100



## Tritanopia

17.2371, 0.2498, 0.3078

# Trichromacy



## Original Color

17.2042, 0.2599, 0.3443

## Protanomaly

16.8244, 0.2939, 0.3373

## Deuteranomaly

16.7304, 0.2920, 0.3208

## Tritanomaly

17.3134, 0.2535, 0.3203

# Monochromacy



## Original Color

17.2042, 0.2599, 0.3443

## Achromatopsia

14.7027, 0.3127, 0.3290

## Achromatomaly

15.5095, 0.2898, 0.3354

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 17.2042, 0.2599, 0.3443 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(68, 125, 118)` looks like.

```
.text, #text, p{  
    color:rgb(68, 125, 118)  
}
```

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(68, 125, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 125, 118) }
```

## Border

The CSS property to change the border of an element to Yxy 17.2042, 0.2599, 0.3443 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(68, 125, 118) }
```

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

```
.border{ border-color:rgb(68, 125, 118) }
```

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

Here you see how a box with a 4 pixel rgb(68, 125, 118) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 125, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 125, 118);  
box-shadow:4px 4px 4px 4px rgb(68, 125,  
118) }
```



# Background

The CSS property to change the background color of an element to Yxy 17.2042, 0.2599, 0.3443 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 125, 118) }
```

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

```
.background{ background-color: rgb(68, 125,  
118) }
```

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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