

Converting Colors

$Y_{xy}(17.9886, 0.2373, 0.2935)$

Have a look what the booklet for
Yxy(17.9886, 0.2373, 0.2935)
contains.

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Color

Yxy(17.9949, 0.2374, 0.2939)

Conversions

Conversions Part 1

Format	Color
Hex	407E8F
RGB	64, 126, 143
RGB Percent	25%, 49%, 56%
CMY	0.7489, 0.5059, 0.4392
CMYK	0.55, 0.12, 0.00, 0.44
HSL	193°, 38%, 41%
HSV	193°, 55%, 56%
XYZ	14.5355, 17.9949, 28.6975
YIQ	109.4000, -42.4090, -7.8570

Conversions

Conversions Part 2

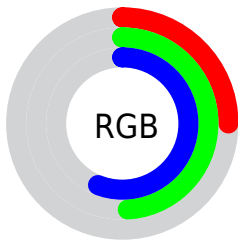
Format	Color
R _{YB}	64, 99, 143
Decimal	4226703
CIE Lab	49.49, -14.90, -15.32
CIE LCh	49, 21.369, 225.789
Yxy	17.9949, 0.2374, 0.2939
Android (android.graphics.Color)	4282416783 (0xFF407E8F)
YUV	109.4000, 16.5648, -39.8158
Hunter-Lab	42.4204, -13.0719, -10.4156

Details

The Yxy color **17.9949, 0.2374, 0.2939** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **12.1042, 0.4511, 0.3592**, and the grayscale version is **15.3766, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.1230, 0.2539, 0.3026**, and **6.0981, 0.2103, 0.2770** is the 20% darker color. If you saturate the color by 10%, you get **16.7998, 0.2273, 0.2864**, and if you desaturate by 10%, it is **19.3386, 0.2490, 0.3012**.

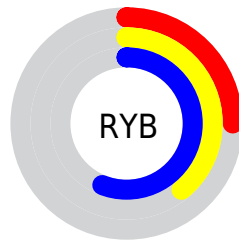
Distribution



Red (25%)

Green (49%)

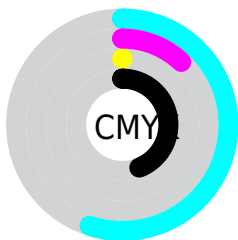
Blue (56%)



Red (25%)

Yellow (39%)

Blue (56%)

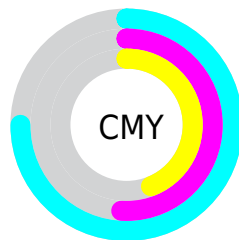


Cyan (55%)

Magenta (12%)

Yellow (0%)

Black (44%)



Cyan (75%)

Magenta (51%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.9949, 0.2374, 0.2939 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 17.9949, 0.2374, 0.2939 by changing the saturation by 10% instead.

■ 17.9949, 0.2374,
0.2939

■ 17.9949, 0.2374,
0.2939

■ 240.8423, 0.2799,
0.3150

■ 10.9463, 0.2250,
0.2871

■ 40.0286, 0.2541,
0.3026

■ 6.0308, 0.2078,
0.2771

■ 55.7826, 0.2600,
0.3055

■ 2.8638, 0.1826,
0.2613

■ 75.2071, 0.2648,
0.3079

■ 1.0610, 0.1402,
0.2343

■ 98.6866, 0.2688,
0.3098

■ 0.0000, 0.0000,
0.0000

■ 126.6055, 0.2722,
0.3114

159.3481, 0.2751,

0.3128

197.2989, 0.2776,
0.3140

■ 17.9949, 0.2374,
0.2939

■ 17.9949, 0.2374,
0.2939

■ 16.7998, 0.2273,
0.2864

■ 19.3386, 0.2490,
0.3012

■ 15.7415, 0.2189,
0.2787

■ 20.8376, 0.2619,
0.3081

■ 14.8094, 0.2123,
0.2710

■ 22.5007, 0.2757,
0.3147

■ 13.9882, 0.2075,
0.2633

■ 24.3353, 0.2901,
0.3207

■ 13.6157, 0.2055,
0.2596

■ 26.3483, 0.3049,
0.3263

■ 28.5462, 0.3198,
0.3314

■ 30.9352, 0.3347,
0.3359

■ 33.5210, 0.3492,
0.3400

■ 36.3092, 0.3633,
0.3436

Harmonies

Analogous

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



17.9949, 0.2506, 0.3308



17.9949, 0.2374, 0.2939



17.9949, 0.2426, 0.2700

Triad

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



17.9949, 0.2374, 0.2939



17.9949, 0.3434, 0.2921



17.9949, 0.3588, 0.4018

Complementary

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



17.9949, 0.2374, 0.2939



12.1042, 0.4511, 0.3592

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.



17.9949, 0.3867, 0.3850



17.9949, 0.2374, 0.2939



17.9949, 0.3783, 0.3223

Square

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



17.9949, 0.2374, 0.2939



17.9949, 0.3016, 0.2708



17.9949, 0.3944, 0.3556



17.9949, 0.3195, 0.3974

Rectangle

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



17.9949, 0.2374, 0.2939



17.9949, 0.2559, 0.2632



17.9949, 0.3944, 0.3556



17.9949, 0.3699, 0.3982

Sweetspot

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



17.9956, 0.2374, 0.2939



42.8446, 0.2870, 0.3195



21.3161, 0.2931, 0.4668



9.6901, 0.2844, 0.3184



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



17.9956, 0.2374, 0.2939



29.6487, 0.2253, 0.2847



10.0104, 0.2200, 0.2089



5.9218, 0.2990, 0.3242



12.0681, 0.2056, 0.2600



0.1471, 0.2156, 0.2962

Inverse Universe

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



11.0182, 0.3461, 0.2252



16.5721, 0.3559, 0.2077



19.4810, 0.4107, 0.4236



5.4914, 0.3168, 0.3119



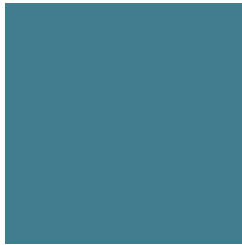
6.2046, 0.3824, 0.1880



0.0625, 0.3488, 0.1695

Previews

White Background



This preview shows how the Yxy color 17.9949, 0.2374, 0.2939 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 17.9949, 0.2374, 0.2939 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

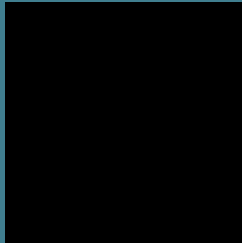
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.9949, 0.2374, 0.2939

Background



This preview shows how black text looks on a background with the Yxy color 17.9949, 0.2374, 0.2939.

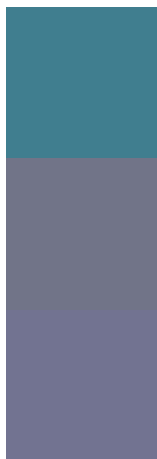


This preview shows how white text looks on a background with the Yxy color 17.9949, 0.2374, 0.2939.

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

17.9949, 0.2374, 0.2939

Protanopia

17.7791, 0.2865, 0.2911

Deuteranopia

17.8832, 0.2782, 0.2737



Tritanopia

18.0090, 0.2409, 0.3078

Trichromacy



Original Color

17.9949, 0.2374, 0.2939

Protanomaly

17.7299, 0.2646, 0.2915

Deuteranomaly

17.6941, 0.2608, 0.2805

Tritanomaly

18.0996, 0.2401, 0.3039

Monochromacy



Original Color

17.9949, 0.2374, 0.2939

Achromatopsia

15.2926, 0.3127, 0.3290

Achromatomaly

15.9691, 0.2792, 0.3163

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.9949, 0.2374, 0.2939 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(64, 126, 143)` looks like.

```
.text, #text, p{  
    color:rgb(64, 126, 143)  
}
```

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(64, 126, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 126, 143) }
```

Border

The CSS property to change the border of an element to Yxy 17.9949, 0.2374, 0.2939 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(64, 126, 143) }
```

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

```
.border{ border-color:rgb(64, 126, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 126, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 126, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 126, 143);  
box-shadow:4px 4px 4px 4px rgb(64, 126,  
143) }
```


Background

The CSS property to change the background color of an element to Yxy 17.9949, 0.2374, 0.2939 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 126, 143) }
```

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

```
.background{ background-color: rgb(64, 126,  
143) }
```

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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