

Converting Colors

$Y_{xy}(17.9785, 0.2628, 0.3786)$

Have a look what the booklet for
Yxy(17.9785, 0.2628, 0.3786)
contains.

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Color

Yxy(17.9778, 0.2632, 0.3787)

Conversions

Conversions Part 1

Format	Color
Hex	3B826C
RGB	59, 130, 108
RGB Percent	23%, 51%, 42%
CMY	0.7685, 0.4902, 0.5765
CMYK	0.55, 0.00, 0.17, 0.49
HSL	161°, 38%, 37%
HSV	161°, 55%, 51%
XYZ	12.4947, 17.9778, 16.9999
YIQ	106.2630, -35.2540, -21.8940

Conversions

Conversions Part 2

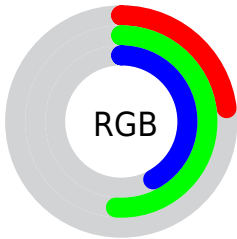
Format	Color
RYB	59, 101, 130
Decimal	3900012
CIELab	49.47, -27.96, 5.18
CIElCh	49, 28.438, 169.497
Yxy	17.9778, 0.2632, 0.3787
Android (android.graphics.Color)	4282090092 (0xFF3B826C)
YUV	106.2630, 0.8563, -41.4497
Hunter-Lab	42.4002, -21.5990, 5.9085

Details

The Yxy color **17.9778, 0.2632, 0.3787** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **8.4720, 0.4154, 0.2871**, and the grayscale version is **14.4967, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.8149, 0.2751, 0.3666**, and **6.0742, 0.2445, 0.4002** is the 20% darker color. If you saturate the color by 10%, you get **17.5455, 0.2579, 0.3897**, and if you desaturate by 10%, it is **18.5145, 0.2701, 0.3681**.

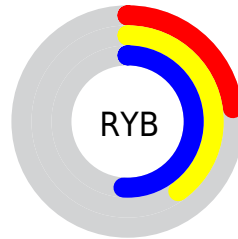
Distribution



Red (23%)

Green (51%)

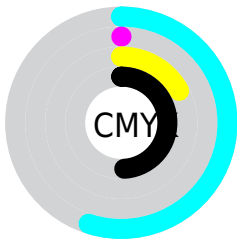
Blue (42%)



Red (23%)

Yellow (40%)

Blue (51%)

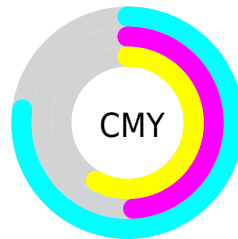


Cyan (55%)

Magenta (0%)

Yellow (17%)

Black (49%)



Cyan (77%)

Magenta (49%)

Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.9778, 0.2632, 0.3787 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 17.9778, 0.2632, 0.3787 by changing the saturation by 10% instead.


 17.9778, 0.2632,
0.3787

 17.9778, 0.2632,
0.3787


240.7459, 0.2921,
0.3493


 10.9340, 0.2541,
0.3882


 39.9995, 0.2750,
0.3666

 6.0225, 0.2410,
0.4023

 55.7462, 0.2790,
0.3625

 2.8588, 0.2203,
0.4249

 75.1627, 0.2822,
0.3592

 1.0585, 0.1459,
0.4920

 98.6334, 0.2849,
0.3565

 0.0000, 0.0000,
0.0000

 126.5427, 0.2871,
0.3542

 159.2749, 0.2890,

0.3523

197.2145, 0.2907,
0.3507

■ 17.9778, 0.2632,
0.3787

■ 17.9778, 0.2632,
0.3787

■ 17.5455, 0.2579,
0.3897

■ 18.5145, 0.2701,
0.3681

■ 17.2078, 0.2542,
0.4011

■ 19.1602, 0.2783,
0.3581

■ 16.9569, 0.2525,
0.4125

■ 19.9218, 0.2875,
0.3488

■ 16.7809, 0.2525,
0.4239

■ 20.8049, 0.2974,
0.3402

■ 16.6980, 0.2528,
0.4301

■ 21.8150, 0.3078,
0.3323

■ 22.9570, 0.3185,
0.3253

■ 24.2357, 0.3293,
0.3189

■ 25.6555, 0.3400,
0.3133

■ 27.2208, 0.3506,
0.3083

Harmonies

Analogous

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



17.9778, 0.3137, 0.4192



17.9778, 0.2632, 0.3787



17.9778, 0.2279, 0.3234

Triad

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



17.9778, 0.2632, 0.3787



17.9778, 0.2552, 0.2431



17.9778, 0.4219, 0.3670

Complementary

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



17.9778, 0.2632, 0.3787



8.4720, 0.4154, 0.2871

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.



17.9778, 0.4046, 0.3242



17.9778, 0.2632, 0.3787



17.9778, 0.3040, 0.2563

Square

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



17.9778, 0.2632, 0.3787



17.9778, 0.2240, 0.2491



17.9778, 0.3598, 0.2851



17.9778, 0.4068, 0.4053

Rectangle

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



17.9778, 0.2632, 0.3787



17.9778, 0.2163, 0.2902



17.9778, 0.3598, 0.2851



17.9778, 0.4198, 0.3528

Sweetspot

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



17.9785, 0.2632, 0.3787



36.3480, 0.2956, 0.3416



18.0528, 0.3278, 0.4847



8.1661, 0.2939, 0.3431



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



17.9785, 0.2632, 0.3787



30.7102, 0.2566, 0.3930



15.2625, 0.2397, 0.3000



4.8649, 0.3031, 0.3358



16.0125, 0.2527, 0.4299



0.0000, 0.0000, 0.0000

Inverse Universe

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



8.4720, 0.4154, 0.2871



12.0726, 0.4557, 0.2806



9.7026, 0.4497, 0.3543



4.3645, 0.3234, 0.3223



4.7004, 0.5649, 0.2886



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 17.9778, 0.2632, 0.3787 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 17.9778, 0.2632, 0.3787 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

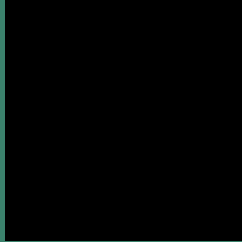
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.9778, 0.2632, 0.3787

Background



This preview shows how black text looks on a background with the Yxy color 17.9778, 0.2632, 0.3787.

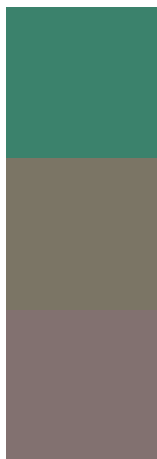


This preview shows how white text looks on a background with the Yxy color 17.9778, 0.2632, 0.3787.

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

17.9778, 0.2632, 0.3787

Protanopia

17.8731, 0.3401, 0.3602

Deuteranopia

17.7259, 0.3367, 0.3309



Tritanopia

17.9282, 0.2454, 0.3080

Trichromacy



Original Color

17.9778, 0.2632, 0.3787

Protanomaly

17.6279, 0.3061, 0.3667

Deuteranomaly

17.2844, 0.3033, 0.3454

Tritanomaly

17.8089, 0.2516, 0.3310

Monochromacy



Original Color

17.9778, 0.2632, 0.3787

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

15.4469, 0.2896, 0.3466

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.9778, 0.2632, 0.3787 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(59, 130, 108)` looks like.

```
.text, #text, p{  
  color:rgb(59, 130, 108)  
}
```

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(59, 130, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 130, 108) }
```

Border

The CSS property to change the border of an element to Yxy 17.9778, 0.2632, 0.3787 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(59, 130, 108) }
```

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

```
.border{ border-color:rgb(59, 130, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 130, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 130, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 130, 108);  
box-shadow:4px 4px 4px 4px rgb(59, 130,  
108) }
```


Background

The CSS property to change the background color of an element to Yxy 17.9778, 0.2632, 0.3787 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 130, 108) }
```

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

```
.background{ background-color: rgb(59, 130,  
108) }
```

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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