

Converting Colors

$Y_{xy}(27.5134, 0.2317, 0.3004)$

Have a look what the booklet for
Yxy(27.5134, 0.2317, 0.3004)
contains.

Yxy(27.4730, 0.2319, 0.3007)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(27.4730, 0.2319, 0.3007)

Conversions

Conversions Part 1

Format	Color
Hex	409BAB
RGB	64, 155, 171
RGB Percent	25%, 61%, 67%
CMY	0.7488, 0.3922, 0.3295
CMYK	0.63, 0.09, 0.00, 0.33
HSL	189°, 45%, 46%
HSV	189°, 63%, 67%
XYZ	21.1872, 27.4730, 42.7033
YIQ	129.6150, -59.3720, -14.3160

Conversions

Conversions Part 2

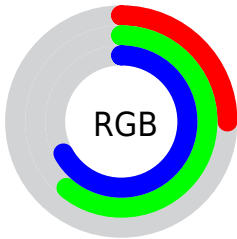
Format	Color
R_{YB}	64, 113, 171
Decimal	4234155
CIE _{Lab}	59.41, -21.87, -16.38
CIE _{LCh}	59, 27.328, 216.826
Y _{xy}	27.4730, 0.2319, 0.3007
Android (android.graphics.Color)	4282424235 (0xFF409BAB)
YUV	129.6150, 20.4028, -57.5444
Hunter-Lab	52.4147, -19.5720, -11.6145

Details

The Yxy color **27.4730, 0.2319, 0.3007** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **14.7690, 0.4904, 0.3518**, and the grayscale version is **22.1279, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.7951, 0.2482, 0.3081**, and **11.2325, 0.2140, 0.2903** is the 20% darker color. If you saturate the color by 10%, you get **26.1439, 0.2240, 0.2955**, and if you desaturate by 10%, it is **28.9979, 0.2416, 0.3058**.

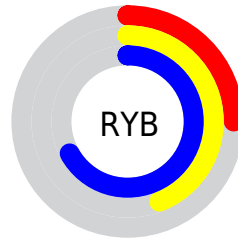
Distribution



Red (25%)

Green (61%)

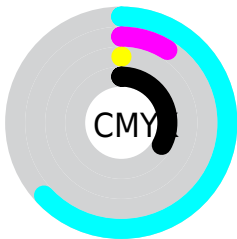
Blue (67%)



Red (25%)

Yellow (44%)

Blue (67%)

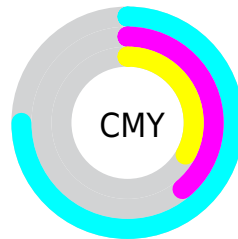


Cyan (63%)

Magenta (9%)

Yellow (0%)

Black (33%)



Cyan (75%)


Magenta (39%)

Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.4730, 0.2319, 0.3007 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 27.4730, 0.2319, 0.3007 by changing the saturation by 10% instead.


 27.4730, 0.2319,
0.3007


 27.4730, 0.2319,
0.3007


289.9401, 0.2745,
0.3172


 17.9288, 0.2206,
0.2957


 55.6420, 0.2479,
0.3073

 10.8989, 0.2058,
0.2888


 75.0355, 0.2538,
0.3096

 5.9989, 0.1855,
0.2785

 98.4809, 0.2586,
0.3114

 2.8444, 0.1565,
0.2619

 126.3626, 0.2628,
0.3130

 1.0510, 0.1019,
0.2349

 159.0649, 0.2664,
0.3143

 0.0000, 0.0000,
0.0000

196.9724, 0.2694,

0.3154

240.4693, 0.2722,
0.3163

■ 27.4730, 0.2319,
0.3007

■ 27.4730, 0.2319,
0.3007

■ 26.1439, 0.2240,
0.2955

■ 28.9979, 0.2416,
0.3058

■ 24.9908, 0.2180,
0.2902

■ 30.7301, 0.2529,
0.3108

■ 23.9948, 0.2138,
0.2850

■ 32.6839, 0.2656,
0.3156

■ 23.3210, 0.2114,
0.2811

■ 34.8712, 0.2793,
0.3201

■ 37.3032, 0.2938,
0.3243

■ 39.9901, 0.3089,
0.3281

■ 42.9416, 0.3241,
0.3316

■ 46.1670, 0.3393,
0.3347

■ 49.6749, 0.3544,
0.3375

Harmonies

Analogous

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



27.4730, 0.2520, 0.3443



27.4730, 0.2319, 0.3007



27.4730, 0.2317, 0.2696

Triad

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



27.4730, 0.2319, 0.3007



27.4730, 0.3328, 0.2801



27.4730, 0.3746, 0.4062

Complementary

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



27.4730, 0.2319, 0.3007



14.7690, 0.4904, 0.3518

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.



27.4730, 0.4000, 0.3817



27.4730, 0.2319, 0.3007



27.4730, 0.3757, 0.3107

Square

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



27.4730, 0.2319, 0.3007



27.4730, 0.2870, 0.2606



27.4730, 0.4009, 0.3469



27.4730, 0.3335, 0.4098

Rectangle

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



27.4730, 0.2319, 0.3007



27.4730, 0.2425, 0.2587



27.4730, 0.4009, 0.3469



27.4730, 0.3854, 0.3999

Sweetspot

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



27.4740, 0.2319, 0.3007



63.8148, 0.2839, 0.3215



30.7644, 0.2957, 0.5037



13.9692, 0.2799, 0.3203



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



27.4740, 0.2319, 0.3007



46.0164, 0.2215, 0.2935



13.7840, 0.2092, 0.2011



8.8650, 0.2986, 0.3255



17.6459, 0.2116, 0.2816



0.5452, 0.2159, 0.2974

Inverse Universe

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



14.6953, 0.3419, 0.2047



22.3129, 0.3497, 0.1878



25.4677, 0.4336, 0.4258



8.1272, 0.3159, 0.3099



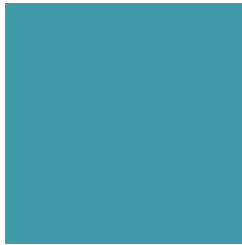
8.0844, 0.3620, 0.1768



0.2304, 0.3478, 0.1689

Previews

White Background



This preview shows how the Yxy color 27.4730, 0.2319, 0.3007 looks on a white 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

Black Background



This preview shows how the Yxy color 27.4730, 0.2319, 0.3007 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

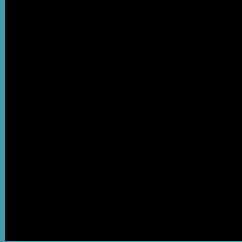
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.4730, 0.2319, 0.3007

Background



This preview shows how black text looks on a background with the Yxy color 27.4730, 0.2319, 0.3007.



This preview shows how white text looks on a background with the Yxy color 27.4730, 0.2319, 0.3007.

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

27.4730, 0.2319, 0.3007

Protanopia

27.1474, 0.2906, 0.2955

Deuteranopia

27.0967, 0.2808, 0.2748



Tritanopia

27.3266, 0.2331, 0.3057

Trichromacy



Original Color

27.4730, 0.2319, 0.3007

Protanomaly

26.7191, 0.2640, 0.2970

Deuteranomaly

26.7127, 0.2578, 0.2828

Tritanomaly

27.3640, 0.2326, 0.3040

Monochromacy



Original Color

27.4730, 0.2319, 0.3007

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

23.5737, 0.2737, 0.3180

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.4730, 0.2319, 0.3007 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, 155, 171)` looks like.

```
.text, #text, p{  
    color:rgb(64, 155, 171)  
}
```

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, 155, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 155, 171) }
```

Border

The CSS property to change the border of an element to Yxy 27.4730, 0.2319, 0.3007 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, 155, 171) }
```

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

```
.border{ border-color:rgb(64, 155, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 155, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 155, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 155, 171);  
box-shadow:4px 4px 4px 4px rgb(64, 155,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 27.4730, 0.2319, 0.3007 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 155, 171) }
```

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

```
.background{ background-color: rgb(64, 155,  
171) }
```

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