

Converting Colors

$Y_{xy}(26.0243, 0.2317, 0.2918)$

Have a look what the booklet for
Yxy(26.0243, 0.2317, 0.2918)
contains.

Yxy(25.9819, 0.2317, 0.2917)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$\text{Yxy}(25.9819, 0.2317, 0.2917)$

Conversions

Conversions Part 1

Format	Color
Hex	4496AB
RGB	68, 150, 171
RGB Percent	27%, 59%, 67%
CMY	0.7335, 0.4117, 0.3294
CMYK	0.60, 0.12, 0.00, 0.33
HSL	192°, 43%, 47%
HSV	192°, 60%, 67%
XYZ	20.6377, 25.9819, 42.4511
YIQ	127.8760, -55.6130, -10.8530

Conversions

Conversions Part 2

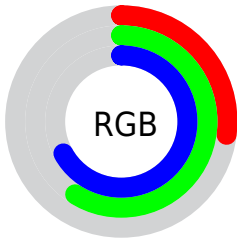
Format	Color
RYP	68, 114, 171
Decimal	4495019
CIELab	58.02, -18.53, -18.49
CIElCh	58, 26.174, 224.936
Yxy	25.9819, 0.2317, 0.2917
Android (android.graphics.Color)	4282685099 (0xFF4496AB)
YUV	127.8760, 21.2601, -52.5113
Hunter-Lab	50.9724, -16.9309, -13.6974

Details

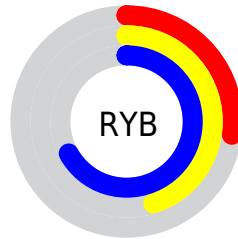
The Yxy color **25.9819, 0.2317, 0.2917** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **16.2084, 0.4748, 0.3596**, and the grayscale version is **21.4771, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.1123, 0.2483, 0.3002**, and **10.2556, 0.2102, 0.2767** is the 20% darker color. If you saturate the color by 10%, you get **24.3606, 0.2226, 0.2844**, and if you desaturate by 10%, it is **27.8174, 0.2425, 0.2988**.

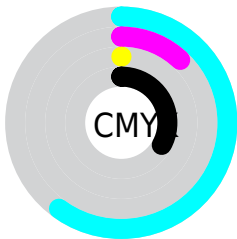
Distribution



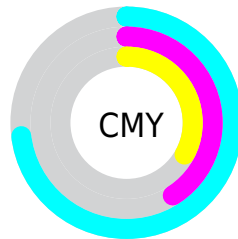
- Red (27%)
- Green (59%)
- Blue (67%)



- Red (27%)
- Yellow (45%)
- Blue (67%)



- Cyan (60%)
- Magenta (12%)
- Yellow (0%)
- Black (33%)



- Cyan (73%)
- Magenta (41%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 25.9819, 0.2317, 0.2917 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 25.9819, 0.2317, 0.2917 by changing the saturation by 10% instead.

■ 25.9819, 0.2317,
0.2917

■ 25.9819, 0.2317,
0.2917

■ 282.6932, 0.2748,
0.3131

■ 16.8101, 0.2202,
0.2854

■ 53.2457, 0.2479,
0.3002

■ 10.0992, 0.2050,
0.2766

■ 72.1066, 0.2539,
0.3031

■ 5.4648, 0.1841,
0.2637

■ 94.9659, 0.2588,
0.3056

■ 2.5225, 0.1542,
0.2433

■ 122.2080, 0.2630,
0.3076

■ 0.8878, 0.0931,
0.2112

■ 154.2175, 0.2666,
0.3093

■ 0.0000, 0.0000,
0.0000

191.3785, 0.2697,

0.3107

234.0757, 0.2724,
0.3120

■ 25.9819, 0.2317,
0.2917

■ 25.9819, 0.2317,
0.2917

■ 24.3606, 0.2226,
0.2844

■ 27.8174, 0.2425,
0.2988

■ 22.9342, 0.2154,
0.2771

■ 29.8787, 0.2547,
0.3056

■ 21.6845, 0.2101,
0.2697

■ 32.1797, 0.2681,
0.3121

■ 20.5962, 0.2063,
0.2626

■ 34.7324, 0.2824,
0.3182

■ 37.5479, 0.2972,
0.3238

■ 40.6364, 0.3123,
0.3289

■ 44.0078, 0.3275,
0.3335

■ 47.6712, 0.3424,
0.3376

■ 51.6355, 0.3571,
0.3413

Harmonies

Analogous

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



25.9819, 0.2463, 0.3319



25.9819, 0.2317, 0.2917



25.9819, 0.2368, 0.2657

Triad

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



25.9819, 0.2317, 0.2917



25.9819, 0.3446, 0.2884



25.9819, 0.3634, 0.4077

Complementary

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



25.9819, 0.2317, 0.2917



16.2084, 0.4748, 0.3596

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.



25.9819, 0.3934, 0.3885



25.9819, 0.2317, 0.2917



25.9819, 0.3830, 0.3205

Square

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



25.9819, 0.2317, 0.2917



25.9819, 0.2993, 0.2659



25.9819, 0.4011, 0.3563



25.9819, 0.3211, 0.4041

Rectangle

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



25.9819, 0.2317, 0.2917



25.9819, 0.2507, 0.2582



25.9819, 0.4011, 0.3563



25.9819, 0.3754, 0.4034

Sweetspot

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



25.9829, 0.2317, 0.2917



63.1512, 0.2852, 0.3193



31.0642, 0.2919, 0.4842



13.7770, 0.2811, 0.3176



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.



25.9829, 0.2317, 0.2917



42.8272, 0.2203, 0.2822



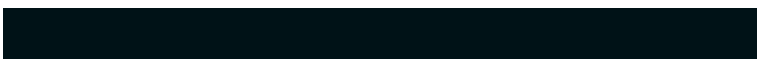
13.0657, 0.2099, 0.1934



8.7909, 0.2986, 0.3243



15.6041, 0.2065, 0.2634



0.5033, 0.2126, 0.2854

Inverse Universe

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



14.9882, 0.3490, 0.2147



22.6521, 0.3592, 0.1983



27.8538, 0.4222, 0.4320



8.1197, 0.3167, 0.3111



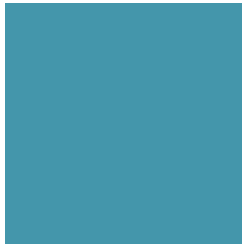
7.8783, 0.3792, 0.1862



0.2262, 0.3585, 0.1749

Previews

White Background



This preview shows how the Yxy color 25.9819, 0.2317, 0.2917 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 25.9819, 0.2317, 0.2917 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

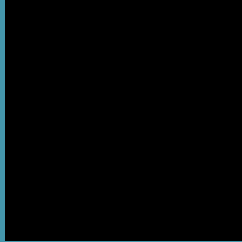
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.9819, 0.2317, 0.2917

Background



This preview shows how black text looks on a background with the Yxy color 25.9819, 0.2317, 0.2917.

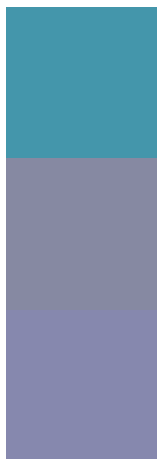


This preview shows how white text looks on a background with the Yxy color 25.9819, 0.2317, 0.2917.

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

25.9819, 0.2317, 0.2917

Protanopia

25.5683, 0.2854, 0.2884

Deuteranopia

25.7326, 0.2748, 0.2691



Tritanopia

25.9374, 0.2348, 0.3053

Trichromacy



Original Color

25.9819, 0.2317, 0.2917

Protanomaly

25.3776, 0.2615, 0.2898

Deuteranomaly

25.3819, 0.2552, 0.2757

Tritanomaly

26.0815, 0.2335, 0.3002

Monochromacy



Original Color

25.9819, 0.2317, 0.2917

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

22.6861, 0.2740, 0.3143

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.9819, 0.2317, 0.2917 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, 150, 171)` looks like.

```
.text, #text, p{  
    color:rgb(68, 150, 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(68, 150, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 150, 171) }
```

Border

The CSS property to change the border of an element to Yxy 25.9819, 0.2317, 0.2917 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, 150, 171) }
```

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

```
.border{ border-color:rgb(68, 150, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 150, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 150, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 150, 171);  
box-shadow:4px 4px 4px 4px rgb(68, 150,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 25.9819, 0.2317, 0.2917 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 150, 171) }
```

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

```
.background{ background-color: rgb(68, 150,  
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](#).

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