

Converting Colors

$Y_{xy}(28.7503, 0.2515, 0.3319)$

Have a look what the booklet for
Yxy(28.7503, 0.2515, 0.3319)
contains.

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Color

$Y_{xy}(28.6819, 0.2512, 0.3306)$

Conversions

Conversions Part 1

Format	Color
Hex	529E9D
RGB	82, 158, 157
RGB Percent	32%, 62%, 62%
CMY	0.6783, 0.3804, 0.3843
CMYK	0.48, 0.00, 0.01, 0.38
HSL	179°, 32%, 47%
HSV	179°, 48%, 62%
XYZ	21.7934, 28.6819, 36.2818
YIQ	135.1620, -44.9750, -16.4230

Conversions

Conversions Part 2

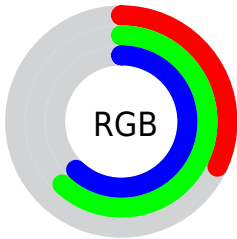
Format	Color
R_{YB}	82, 120, 158
Decimal	5414557
CIE _{Lab}	60.50, -23.71, -6.76
CIE _{LCh}	60, 24.655, 195.914
Yxy	28.6819, 0.2512, 0.3306
Android (android.graphics.Color)	4283604637 (0xFF529E9D)
YUV	135.1620, 10.7661, -46.6231
Hunter-Lab	53.5555, -21.0849, -2.6779

Details

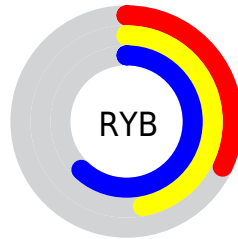
The Yxy color **28.6819, 0.2512, 0.3306** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **13.9332, 0.4395, 0.3277**, and the grayscale version is **24.2664, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.6100, 0.2639, 0.3315**, and **11.5081, 0.2304, 0.3288** is the 20% darker color. If you saturate the color by 10%, you get **28.0469, 0.2426, 0.3310**, and if you desaturate by 10%, it is **29.4822, 0.2615, 0.3302**.

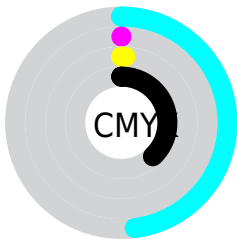
Distribution



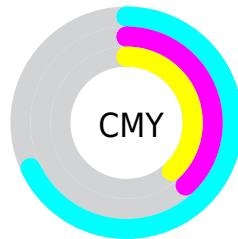
- Red (32%)
- Green (62%)
- Blue (62%)



- Red (32%)
- Yellow (47%)
- Blue (62%)



- Cyan (48%)
- Magenta (0%)
- Yellow (1%)
- Black (38%)





- Cyan (68%)
- Magenta (38%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.6819, 0.2512, 0.3306 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 28.6819, 0.2512, 0.3306 by changing the saturation by 10% instead.


 28.6819, 0.2512,
0.3306


 28.6819, 0.2512,
0.3306


295.7111, 0.2839,
0.3304

 18.8403, 0.2424,
0.3304


 57.5713, 0.2636,
0.3307


 11.5550, 0.2307,
0.3300


 77.3879, 0.2681,
0.3307


 6.4414, 0.2143,
0.3290


 101.2983, 0.2718,
0.3306

 3.1153, 0.1902,
0.3267

 129.6869, 0.2750,
0.3306

 1.1922, 0.1429,
0.3238

 162.9381, 0.2777,
0.3305

 0.0553, 0.0000,
0.0941

201.4363, 0.2800,

 0.0000, 0.0000,

0.3305

0.0000

245.5658, 0.2821,
0.3304

■ 28.6819, 0.2512,
0.3306

■ 28.6819, 0.2512,
0.3306

■ 28.0469, 0.2426,
0.3310

■ 29.4822, 0.2615,
0.3302

■ 27.5626, 0.2358,
0.3314

■ 30.4548, 0.2734,
0.3299

■ 27.2173, 0.2309,
0.3318


■ 31.6102, 0.2865,
0.3295

■ 26.9961, 0.2277,
0.3322

■ 32.9572, 0.3007,
0.3292

■ 26.8718, 0.2260,
0.3326


■ 34.5039, 0.3156,
0.3290

 26.8509, 0.2258,
0.3327

 36.2581, 0.3310,
0.3287

 38.2271, 0.3466,
0.3285

 40.4178, 0.3622,
0.3283

 42.8368, 0.3776,
0.3282

Harmonies

Analogous

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



28.6819, 0.2803, 0.3697



28.6819, 0.2512, 0.3306



28.6819, 0.2382, 0.2942

Triad

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



28.6819, 0.2512, 0.3306



28.6819, 0.3019, 0.2715



28.6819, 0.3858, 0.3845

Complementary

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



28.6819, 0.2512, 0.3306



13.9332, 0.4395, 0.3277

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.



28.6819, 0.3934, 0.3555



28.6819, 0.2512, 0.3306



28.6819, 0.3432, 0.2927

Square

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



28.6819, 0.2512, 0.3306



28.6819, 0.2660, 0.2633



28.6819, 0.3776, 0.3225



28.6819, 0.3581, 0.4010

Rectangle

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



28.6819, 0.2512, 0.3306



28.6819, 0.2397, 0.2768



28.6819, 0.3776, 0.3225



28.6819, 0.3908, 0.3758

Sweetspot

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



28.6830, 0.2512, 0.3306



58.2938, 0.2918, 0.3294



26.9159, 0.3068, 0.4761



13.0331, 0.2890, 0.3295



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



28.6830, 0.2512, 0.3306



50.8280, 0.2418, 0.3310



18.0069, 0.2378, 0.2591



7.5080, 0.2990, 0.3293



21.5052, 0.2258, 0.3327



0.3850, 0.2253, 0.3310

Inverse Universe

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



13.9332, 0.4395, 0.3277



20.6870, 0.4874, 0.3277



21.0126, 0.4104, 0.3886



6.6475, 0.3282, 0.3287



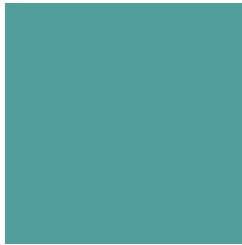
5.8260, 0.6382, 0.3289



0.1045, 0.6288, 0.3238

Previews

White Background



This preview shows how the Yxy color 28.6819, 0.2512, 0.3306 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 28.6819, 0.2512, 0.3306 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

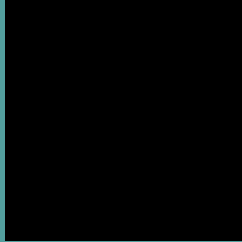
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.6819, 0.2512, 0.3306

Background



This preview shows how black text looks on a background with the Yxy color 28.6819, 0.2512, 0.3306.

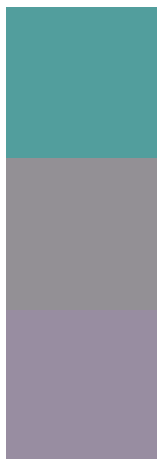


This preview shows how white text looks on a background with the Yxy color 28.6819, 0.2512, 0.3306.

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

28.6819, 0.2512, 0.3306

Protanopia

28.3195, 0.3110, 0.3211

Deuteranopia

28.2984, 0.3047, 0.2983



Tritanopia

28.6199, 0.2452, 0.3065

Trichromacy



Original Color

28.6819, 0.2512, 0.3306

Protanomaly

27.9728, 0.2846, 0.3239

Deuteranomaly

27.9175, 0.2813, 0.3076

Tritanomaly

28.7618, 0.2474, 0.3150

Monochromacy



Original Color

28.6819, 0.2512, 0.3306

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

25.3411, 0.2853, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.6819, 0.2512, 0.3306 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(82, 158, 157)` looks like.

```
.text, #text, p{  
    color:rgb(82, 158, 157)  
}
```

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(82, 158, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 158, 157) }
```

Border

The CSS property to change the border of an element to Yxy 28.6819, 0.2512, 0.3306 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(82, 158, 157) }
```

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

```
.border{ border-color:rgb(82, 158, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 158, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 158, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 158, 157);  
box-shadow:4px 4px 4px 4px rgb(82, 158,  
157) }
```


Background

The CSS property to change the background color of an element to Yxy 28.6819, 0.2512, 0.3306 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 158, 157) }
```

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

```
.background{ background-color: rgb(82, 158,  
157) }
```

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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