

Converting Colors

$Y_{xy}(28.7789, 0.2600, 0.3466)$

Have a look what the booklet for
Yxy(28.7789, 0.2600, 0.3466)
contains.

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Color

$\text{Yxy}(28.6499, 0.2598, 0.3449)$

Conversions

Conversions Part 1

Format	Color
Hex	579E95
RGB	87, 158, 149
RGB Percent	34%, 62%, 58%
CMY	0.6590, 0.3804, 0.4156
CMYK	0.45, 0.00, 0.06, 0.38
HSL	172°, 29%, 48%
HSV	172°, 45%, 62%
XYZ	21.5809, 28.6499, 32.8365
YIQ	135.7450, -39.4270, -17.8510

Conversions

Conversions Part 2

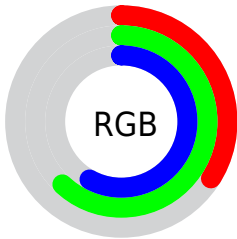
Format	Color
RYB	87, 125, 158
Decimal	5742229
CIELab	60.47, -24.59, -2.27
CIElCh	60, 24.690, 185.283
Yxy	28.6499, 0.2598, 0.3449
Android (android.graphics.Color)	4283932309 (0xFF579E95)
YUV	135.7450, 6.5347, -42.7494
Hunter-Lab	53.5256, -21.7008, 1.0951

Details

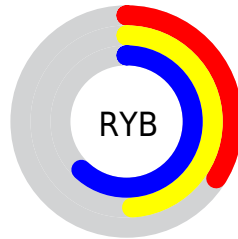
The Yxy color **28.6499, 0.2598, 0.3449** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **14.9234, 0.4135, 0.3146**, and the grayscale version is **24.5041, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.5630, 0.2706, 0.3420**, and **11.4812, 0.2419, 0.3505** is the 20% darker color. If you saturate the color by 10%, you get **27.9091, 0.2515, 0.3490**, and if you desaturate by 10%, it is **29.5605, 0.2697, 0.3409**.

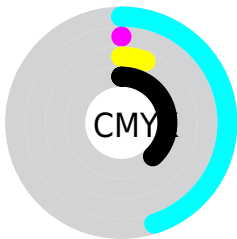
Distribution



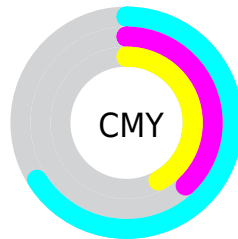
- Red (34%)
- Green (62%)
- Blue (58%)



- Red (34%)
- Yellow (49%)
- Blue (62%)



- Cyan (45%)
- Magenta (0%)
- Yellow (6%)
- Black (38%)





- Cyan (66%)
- Magenta (38%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.6499, 0.2598, 0.3449 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 28.6499, 0.2598, 0.3449 by changing the saturation by 10% instead.


 28.6499, 0.2598,
0.3449

 28.6499, 0.2598,
0.3449


295.5595, 0.2881,
0.3366

 18.8161, 0.2521,
0.3471


 57.5204, 0.2706,
0.3418


 11.5375, 0.2417,
0.3500


 77.3259, 0.2745,
0.3407

 6.4296, 0.2271,
0.3539


 101.2241, 0.2777,
0.3397

 3.1080, 0.2051,
0.3595

 129.5994, 0.2805,
0.3389

 1.1884, 0.1574,
0.3729

162.8362, 0.2828,
0.3382

 0.0522, 0.0000,
0.1948

201.3189, 0.2848,

 0.0000, 0.0000,

0.3376

0.0000

245.4318, 0.2866,
0.3371

■ 28.6499, 0.2598,
0.3449

■ 28.6499, 0.2598,
0.3449

■ 27.9091, 0.2515,
0.3490

■ 29.5605, 0.2697,
0.3409

■ 27.3236, 0.2449,
0.3533

■ 30.6476, 0.2809,
0.3372

■ 26.8824, 0.2401,
0.3576


■ 31.9213, 0.2931,
0.3337

■ 26.5713, 0.2372,
0.3620

■ 33.3904, 0.3061,
0.3305

■ 26.3725, 0.2360,
0.3663


■ 35.0627, 0.3196,
0.3276

 26.2918, 0.2357,
0.3685

 36.9460, 0.3333,
0.3249

 39.0474, 0.3471,
0.3226

 41.3737, 0.3608,
0.3205

 43.9316, 0.3742,
0.3188

Harmonies

Analogous

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



28.6499, 0.2934, 0.3814



28.6499, 0.2598, 0.3449



28.6499, 0.2407, 0.3060

Triad

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



28.6499, 0.2598, 0.3449



28.6499, 0.2880, 0.2668



28.6499, 0.3912, 0.3752

Complementary

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



28.6499, 0.2598, 0.3449



14.9234, 0.4135, 0.3146

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.



28.6499, 0.3905, 0.3439



28.6499, 0.2598, 0.3449



28.6499, 0.3287, 0.2838

Square

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



28.6499, 0.2598, 0.3449



28.6499, 0.2561, 0.2639



28.6499, 0.3671, 0.3112



28.6499, 0.3698, 0.3973

Rectangle

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



28.6499, 0.2598, 0.3449



28.6499, 0.2378, 0.2851



28.6499, 0.3671, 0.3112



28.6499, 0.3937, 0.3654

Sweetspot

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



28.6510, 0.2598, 0.3449



58.3943, 0.2953, 0.3331



27.6538, 0.3145, 0.4622



13.0457, 0.2926, 0.3338



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.



28.6510, 0.2598, 0.3449



50.6673, 0.2514, 0.3491



20.9840, 0.2454, 0.2807



7.4950, 0.3004, 0.3318



21.0592, 0.2356, 0.3681



0.3802, 0.2308, 0.3508

Inverse Universe

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



14.9234, 0.4135, 0.3146



22.4940, 0.4504, 0.3120



19.7700, 0.4086, 0.3718



6.6591, 0.3265, 0.3262



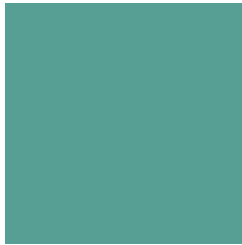
5.8656, 0.6206, 0.3192



0.1083, 0.5504, 0.2806

Previews

White Background



This preview shows how the Yxy color 28.6499, 0.2598, 0.3449 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 28.6499, 0.2598, 0.3449 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

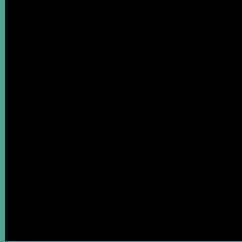
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.6499, 0.2598, 0.3449

Background



This preview shows how black text looks on a background with the Yxy color 28.6499, 0.2598, 0.3449.



This preview shows how white text looks on a background with the Yxy color 28.6499, 0.2598, 0.3449.

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

28.6499, 0.2598, 0.3449

Protanopia

28.1655, 0.3199, 0.3338

Deuteranopia

28.4176, 0.3168, 0.3106



Tritanopia

28.5452, 0.2493, 0.3067

Trichromacy



Original Color

28.6499, 0.2598, 0.3449

Protanomaly

27.9441, 0.2944, 0.3374

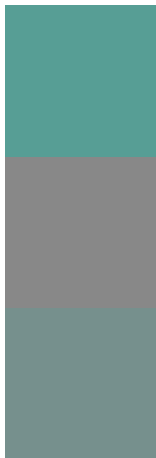
Deuteranomaly

27.9597, 0.2920, 0.3207

Tritanomaly

28.5238, 0.2530, 0.3201

Monochromacy



Original Color

28.6499, 0.2598, 0.3449

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

25.7212, 0.2891, 0.3342

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.6499, 0.2598, 0.3449 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(87, 158, 149)` looks like.

```
.text, #text, p{  
    color:rgb(87, 158, 149)  
}
```

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(87, 158, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 158, 149) }
```

Border

The CSS property to change the border of an element to Yxy 28.6499, 0.2598, 0.3449 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(87, 158, 149) }
```

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

```
.border{ border-color:rgb(87, 158, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 158, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 158, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 158, 149);  
box-shadow:4px 4px 4px 4px rgb(87, 158,  
149) }
```


Background

The CSS property to change the background color of an element to Yxy 28.6499, 0.2598, 0.3449 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 158, 149) }
```

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

```
.background{ background-color: rgb(87, 158,  
149) }
```

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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