

Converting Colors

$Y_{xy}(29.2799, 0.2550, 0.3315)$

Have a look what the booklet for
Yxy(29.2799, 0.2550, 0.3315)
contains.

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Color

$\text{Yxy}(29.3053, 0.2552, 0.3323)$

Conversions

Conversions Part 1

Format	Color
Hex	589F9D
RGB	88, 159, 157
RGB Percent	35%, 62%, 62%
CMY	0.6551, 0.3764, 0.3842
CMYK	0.45, 0.00, 0.01, 0.38
HSL	178°, 29%, 48%
HSV	178°, 45%, 62%
XYZ	22.5059, 29.3053, 36.3781
YIQ	137.5430, -41.6740, -15.6740

Conversions

Conversions Part 2

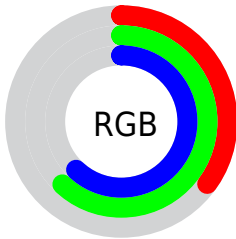
Format	Color
R _Y B	88, 124, 159
Decimal	5808029
CIE Lab	61.05, -22.78, -5.93
CIE LCh	61, 23.542, 194.599
Yxy	29.3053, 0.2552, 0.3323
Android (android.graphics.Color)	4283998109 (0xFF589F9D)
YUV	137.5430, 9.5923, -43.4492
Hunter-Lab	54.1344, -20.5253, -1.9486

Details

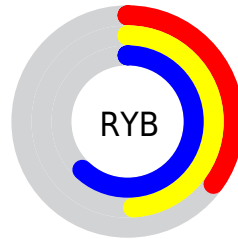
The Yxy color **29.3053, 0.2552, 0.3323** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **15.0795, 0.4245, 0.3261**, and the grayscale version is **25.2037, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.5471, 0.2669, 0.3327**, and **11.8473, 0.2356, 0.3314** is the 20% darker color. If you saturate the color by 10%, you get **28.5987, 0.2461, 0.3332**, and if you desaturate by 10%, it is **30.1835, 0.2659, 0.3315**.

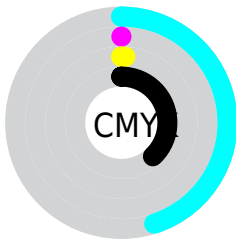
Distribution



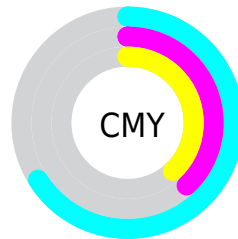
- Red (35%)
- Green (62%)
- Blue (62%)



- Red (35%)
- Yellow (49%)
- Blue (62%)



- Cyan (45%)
- Magenta (0%)
- Yellow (1%)
- Black (38%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.3053, 0.2552, 0.3323 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 29.3053, 0.2552, 0.3323 by changing the saturation by 10% instead.


 29.3053, 0.2552,
0.3323


 29.3053, 0.2552,
0.3323


298.6527, 0.2857,
0.3311

 19.3119, 0.2470,
0.3324


 58.5618, 0.2667,
0.3320

 11.8959, 0.2360,
0.3324


 78.5937, 0.2709,
0.3318

 6.6728, 0.2208,
0.3322


 102.7405, 0.2744,
0.3317

 3.2583, 0.1983,
0.3311

 131.3867, 0.2774,
0.3315

 1.2680, 0.1575,
0.3292

164.9166, 0.2799,
0.3314

 0.1163, 0.0000,
0.1768

203.7147, 0.2821,

 0.0000, 0.0000,

0.3313

0.0000

248.1652, 0.2840,
0.3312

■ 29.3053, 0.2552,
0.3323

■ 29.3053, 0.2552,
0.3323

■ 28.5987, 0.2461,
0.3332

■ 30.1835, 0.2659,
0.3315

■ 28.0490, 0.2388,
0.3340

■ 31.2399, 0.2781,
0.3307

■ 27.6451, 0.2333,
0.3349


■ 32.4851, 0.2915,
0.3300


■ 27.3725, 0.2297,
0.3358


■ 33.9276, 0.3058,
0.3293


■ 27.2136, 0.2277,
0.3367

■ 35.5756, 0.3207,
0.3287

 27.1512, 0.2270,
0.3372

 37.4369, 0.3360,
0.3281

 39.5187, 0.3514,
0.3277

 41.8279, 0.3666,
0.3272

 44.3712, 0.3817,
0.3269

Harmonies

Analogous

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



29.3053, 0.2835, 0.3689



29.3053, 0.2552, 0.3323



29.3053, 0.2421, 0.2975

Triad

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



29.3053, 0.2552, 0.3323



29.3053, 0.3009, 0.2736



29.3053, 0.3828, 0.3808

Complementary

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



29.3053, 0.2552, 0.3323



15.0795, 0.4245, 0.3261

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.



29.3053, 0.3890, 0.3530



29.3053, 0.2552, 0.3323



29.3053, 0.3400, 0.2934

Square

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



29.3053, 0.2552, 0.3323



29.3053, 0.2671, 0.2665



29.3053, 0.3730, 0.3216



29.3053, 0.3574, 0.3969

Rectangle

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



29.3053, 0.2552, 0.3323



29.3053, 0.2429, 0.2804



29.3053, 0.3730, 0.3216



29.3053, 0.3873, 0.3724

Sweetspot

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



29.3064, 0.2552, 0.3323



58.5215, 0.2935, 0.3299



27.6925, 0.3083, 0.4639



13.0789, 0.2906, 0.3300



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.



29.3064, 0.2552, 0.3323



51.1739, 0.2458, 0.3332



19.4580, 0.2434, 0.2673



7.5063, 0.2992, 0.3296



21.4434, 0.2270, 0.3371



0.3843, 0.2260, 0.3335

Inverse Universe

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



15.0795, 0.4245, 0.3261



22.2717, 0.4666, 0.3257



21.7767, 0.4026, 0.3827



6.6490, 0.3280, 0.3284



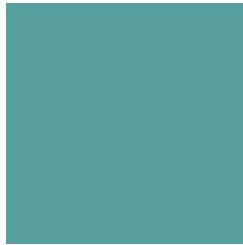
5.8306, 0.6361, 0.3278



0.1050, 0.6170, 0.3172

Previews

White Background



This preview shows how the Yxy color 29.3053, 0.2552, 0.3323 looks on a white background.

Color Contrast Check

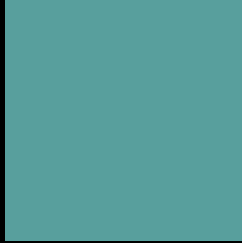
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.3053, 0.2552, 0.3323 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

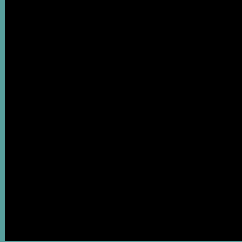
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.3053, 0.2552, 0.3323

Background



This preview shows how black text looks on a background with the Yxy color 29.3053, 0.2552, 0.3323.

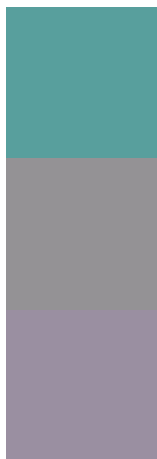


This preview shows how white text looks on a background with the Yxy color 29.3053, 0.2552, 0.3323.

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

29.3053, 0.2552, 0.3323

Protanopia

29.0236, 0.3119, 0.3243

Deuteranopia

29.0882, 0.3067, 0.3016



Tritanopia

29.2915, 0.2486, 0.3069

Trichromacy



Original Color

29.3053, 0.2552, 0.3323

Protanomaly

28.8358, 0.2876, 0.3273

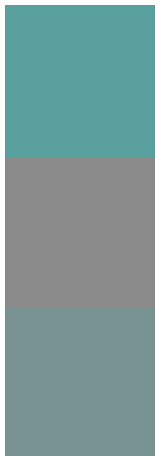
Deuteranomaly

28.7788, 0.2843, 0.3111

Tritanomaly

29.3945, 0.2515, 0.3169

Monochromacy



Original Color

29.3053, 0.2552, 0.3323

Achromatopsia

25.4152, 0.3127, 0.3290

Achromatomaly

26.5952, 0.2876, 0.3307

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.3053, 0.2552, 0.3323 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(88, 159, 157)` looks like.

```
.text, #text, p{  
    color:rgb(88, 159, 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(88, 159, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 159, 157) }
```

Border

The CSS property to change the border of an element to Yxy 29.3053, 0.2552, 0.3323 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(88, 159, 157) }
```

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

```
.border{ border-color:rgb(88, 159, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 159, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 159, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 159, 157);  
box-shadow:4px 4px 4px 4px rgb(88, 159,  
157) }
```


Background

The CSS property to change the background color of an element to Yxy 29.3053, 0.2552, 0.3323 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 159, 157) }
```

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

```
.background{ background-color: rgb(88, 159,  
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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