

Converting Colors

$Y_{xy}(29.8845, 0.2564, 0.3400)$

Have a look what the booklet for
Yxy(29.8845, 0.2564, 0.3400)
contains.

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Color

$Y_{xy}(29.8347, 0.2559, 0.3394)$

Conversions

Conversions Part 1

Format	Color
Hex	56A19B
RGB	86, 161, 155
RGB Percent	34%, 63%, 61%
CMY	0.6629, 0.3686, 0.3922
CMYK	0.47, 0.00, 0.04, 0.37
HSL	175°, 30%, 48%
HSV	175°, 47%, 63%
XYZ	22.4947, 29.8347, 35.5748
YIQ	137.8910, -42.7740, -17.7660

Conversions

Conversions Part 2

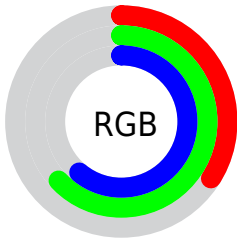
Format	Color
R_YB	86, 125, 161
Decimal	5677467
CIE _{Lab}	61.51, -24.82, -4.11
CIE _{LCh}	62, 25.159, 189.401
Y _{xy}	29.8347, 0.2559, 0.3394
Android (android.graphics.Color)	4283867547 (0xFF56A19B)
YUV	137.8910, 8.4347, -45.5084
Hunter-Lab	54.6211, -22.0751, -0.3809

Details

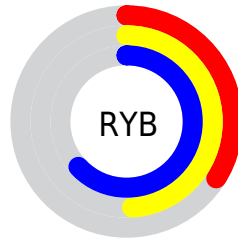
The Yxy color **29.8347, 0.2559, 0.3394** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **14.9997, 0.4253, 0.3197**, and the grayscale version is **25.3478, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.3779, 0.2677, 0.3379**, and **12.1836, 0.2370, 0.3419** is the 20% darker color. If you saturate the color by 10%, you get **29.1130, 0.2475, 0.3420**, and if you desaturate by 10%, it is **30.7314, 0.2659, 0.3369**.

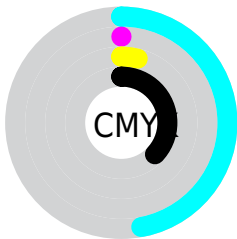
Distribution



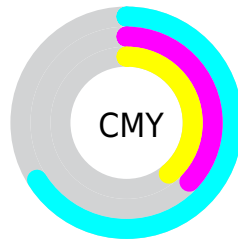
- Red (34%)
- Green (63%)
- Blue (61%)



- Red (34%)
- Yellow (49%)
- Blue (63%)



- Cyan (47%)
- Magenta (0%)
- Yellow (4%)
- Black (37%)




- Cyan (66%)
- Magenta (37%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.8347, 0.2559, 0.3394 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 29.8347, 0.2559, 0.3394 by changing the saturation by 10% instead.


 29.8347, 0.2559,
0.3394


 29.8347, 0.2559,
0.3394


301.1332, 0.2860,
0.3343


 19.7132, 0.2478,
0.3406


 59.4007, 0.2673,
0.3376

 12.1867, 0.2370,
0.3422


 79.6139, 0.2714,
0.3369

 6.8710, 0.2220,
0.3441


 103.9598, 0.2749,
0.3363

 3.3815, 0.1997,
0.3465

 132.8227, 0.2778,
0.3357

 1.3340, 0.1592,
0.3508

166.5872, 0.2803,
0.3353

 0.1673, 0.0000,
0.2627

205.6374, 0.2825,

 0.0000, 0.0000,

0.3349

0.0000

250.3580, 0.2844,
0.3346

■ 29.8347, 0.2559,
0.3394

■ 29.8347, 0.2559,
0.3394

■ 29.1130, 0.2475,
0.3420

■ 30.7314, 0.2659,
0.3369

■ 28.5510, 0.2409,
0.3446

■ 31.8101, 0.2774,
0.3345

■ 28.1367, 0.2361,
0.3473

■ 33.0818, 0.2900,
0.3323

■ 27.8548, 0.2332,
0.3500


■ 34.5555, 0.3034,
0.3303


■ 27.6831, 0.2319,
0.3527

■ 36.2398, 0.3175,
0.3284

 27.6340, 0.2315,
0.3536

 38.1426, 0.3320,
0.3267

 40.2716, 0.3465,
0.3252

 42.6340, 0.3610,
0.3239

 45.2366, 0.3753,
0.3227

Harmonies

Analogous

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



29.8347, 0.2881, 0.3774



29.8347, 0.2559, 0.3394



29.8347, 0.2390, 0.3011

Triad

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



29.8347, 0.2559, 0.3394



29.8347, 0.2931, 0.2681



29.8347, 0.3899, 0.3793

Complementary

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



29.8347, 0.2559, 0.3394



14.9997, 0.4253, 0.3197

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.



29.8347, 0.3925, 0.3485



29.8347, 0.2559, 0.3394



29.8347, 0.3345, 0.2869

Square

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



29.8347, 0.2559, 0.3394



29.8347, 0.2594, 0.2631



29.8347, 0.3718, 0.3155



29.8347, 0.3658, 0.3994

Rectangle

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



29.8347, 0.2559, 0.3394



29.8347, 0.2379, 0.2814



29.8347, 0.3718, 0.3155



29.8347, 0.3934, 0.3697

Sweetspot

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



29.8359, 0.2559, 0.3394



59.8251, 0.2931, 0.3318



28.4510, 0.3112, 0.4695



13.0089, 0.2904, 0.3322



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.



29.8359, 0.2559, 0.3394



52.0814, 0.2472, 0.3421



20.4460, 0.2417, 0.2713



8.0014, 0.2998, 0.3308



22.0701, 0.2315, 0.3533



0.4664, 0.2288, 0.3436

Inverse Universe

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



14.9997, 0.4253, 0.3197



22.1725, 0.4667, 0.3182



21.0258, 0.4106, 0.3792



7.0948, 0.3273, 0.3272



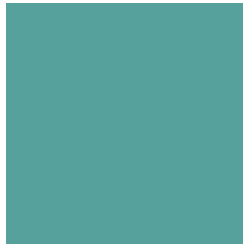
6.0773, 0.6289, 0.3238



0.1303, 0.5814, 0.2977

Previews

White Background



This preview shows how the Yxy color 29.8347, 0.2559, 0.3394 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 29.8347, 0.2559, 0.3394 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

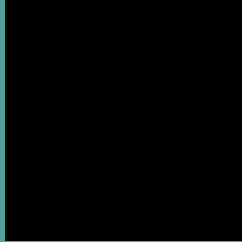
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.8347, 0.2559, 0.3394

Background



This preview shows how black text looks on a background with the Yxy color 29.8347, 0.2559, 0.3394.

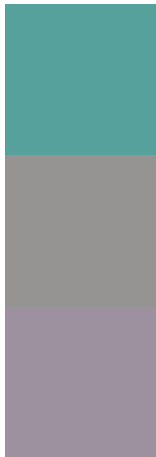


This preview shows how white text looks on a background with the Yxy color 29.8347, 0.2559, 0.3394.

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

29.8347, 0.2559, 0.3394

Protanopia

29.4581, 0.3158, 0.3290

Deuteranopia

29.6178, 0.3117, 0.3063



Tritanopia

29.9607, 0.2479, 0.3087

Trichromacy



Original Color

29.8347, 0.2559, 0.3394

Protanomaly

29.1705, 0.2903, 0.3322

Deuteranomaly

29.1066, 0.2870, 0.3160

Tritanomaly

29.9821, 0.2508, 0.3203

Monochromacy



Original Color

29.8347, 0.2559, 0.3394

Achromatopsia

25.4152, 0.3127, 0.3290

Achromatomaly

26.4933, 0.2876, 0.3324

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.8347, 0.2559, 0.3394 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(86, 161, 155)` looks like.

```
.text, #text, p{  
    color:rgb(86, 161, 155)  
}
```

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(86, 161, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 161, 155) }
```

Border

The CSS property to change the border of an element to Yxy 29.8347, 0.2559, 0.3394 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(86, 161, 155) }
```

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

```
.border{ border-color:rgb(86, 161, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 161, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 161, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 161, 155);  
box-shadow:4px 4px 4px 4px rgb(86, 161,  
155) }
```


Background

The CSS property to change the background color of an element to Yxy 29.8347, 0.2559, 0.3394 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 161, 155) }
```

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

```
.background{ background-color: rgb(86, 161,  
155) }
```

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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