

Converting Colors

$Y_{xy}(29.2168, 0.2746, 0.3804)$

Have a look what the booklet for
Yxy(29.2168, 0.2746, 0.3804)
contains.

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Color

Yxy(29.3293, 0.2750, 0.3817)

Conversions

Conversions Part 1

Format	Color
Hex	5AA184
RGB	90, 161, 132
RGB Percent	35%, 63%, 52%
CMY	0.6468, 0.3687, 0.4823
CMYK	0.44, 0.00, 0.18, 0.37
HSL	155°, 28%, 49%
HSV	155°, 44%, 63%
XYZ	21.1306, 29.3293, 26.3787
YIQ	136.4650, -33.0070, -24.0710

Conversions

Conversions Part 2

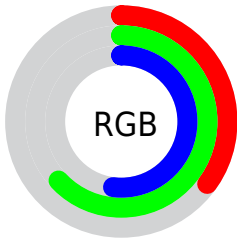
Format	Color
R_{YB}	90, 135, 161
Decimal	5939588
CIE _{Lab}	61.07, -29.31, 8.20
CIE _{LCh}	61, 30.433, 164.365
Yxy	29.3293, 0.2750, 0.3817
Android (android.graphics.Color)	4284129668 (0xFF5AA184)
YUV	136.4650, -2.2012, -40.7498
Hunter-Lab	54.1565, -25.1274, 9.0305

Details

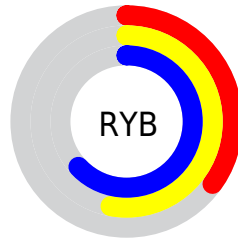
The Yxy color $29.3293, 0.2750, 0.3817$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $16.2321, 0.3780, 0.2829$, and the grayscale version is $24.8275, 0.3127, 0.3290$.

A 20% lighter version of the original color is $58.5438, 0.2833, 0.3701$, and $11.9369, 0.2606, 0.4009$ is the 20% darker color. If you saturate the color by 10%, you get $28.4336, 0.2689, 0.3963$, and if you desaturate by 10%, it is $30.4136, 0.2823, 0.3679$.

Distribution



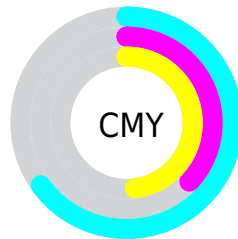
- Red (35%)
- Green (63%)
- Blue (52%)



- Red (35%)
- Yellow (53%)
- Blue (63%)



- Cyan (44%)
- Magenta (0%)
- Yellow (18%)
- Black (37%)





- Cyan (65%)
- Magenta (37%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.3293, 0.2750, 0.3817 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 29.3293, 0.2750, 0.3817 by changing the saturation by 10% instead.


 29.3293, 0.2750,
0.3817


 29.3293, 0.2750,
0.3817


298.7655, 0.2957,
0.3524


 19.3301, 0.2691,
0.3902


 58.5999, 0.2830,
0.3702


 11.9090, 0.2611,
0.4019


 78.6400, 0.2859,
0.3662

 6.6818, 0.2494,
0.4191


 102.7959, 0.2882,
0.3629

 3.2639, 0.2312,
0.4467

 131.4519, 0.2902,
0.3601

 1.2710, 0.1811,
0.5122

164.9925, 0.2919,
0.3577

 0.1186, 0.0000,
1.0000

203.8021, 0.2933,

 0.0000, 0.0000,

0.3557

0.0000

248.2649, 0.2946,
0.3540

■ 29.3293, 0.2750,
0.3817

■ 29.3293, 0.2750,
0.3817

■ 28.4336, 0.2689,
0.3963

■ 30.4136, 0.2823,
0.3679

■ 27.7113, 0.2644,
0.4116

■ 31.6936, 0.2906,
0.3552

■ 27.1508, 0.2617,
0.4272


■ 33.1802, 0.2995,
0.3435

■ 26.7370, 0.2609,
0.4429

■ 34.8825, 0.3089,
0.3330


■ 26.4523, 0.2620,
0.4583


■ 36.8091, 0.3184,
0.3235

 26.3176, 0.2632,
0.4674

 38.9680, 0.3279,
0.3151

 41.3669, 0.3373,
0.3076

 44.0131, 0.3464,
0.3011

 46.9135, 0.3552,
0.2954

Harmonies

Analogous

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



29.3293, 0.3225, 0.4139



29.3293, 0.2750, 0.3817



29.3293, 0.2394, 0.3328

Triad

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



29.3293, 0.2750, 0.3817



29.3293, 0.2540, 0.2498



29.3293, 0.4114, 0.3578

Complementary

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



29.3293, 0.2750, 0.3817



16.2321, 0.3780, 0.2829

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.



29.3293, 0.3906, 0.3184



29.3293, 0.2750, 0.3817



29.3293, 0.2966, 0.2590

Square

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



29.3293, 0.2750, 0.3817



29.3293, 0.2283, 0.2590



29.3293, 0.3472, 0.2834



29.3293, 0.4029, 0.3940

Rectangle

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



29.3293, 0.2750, 0.3817



29.3293, 0.2262, 0.3013



29.3293, 0.3472, 0.2834



29.3293, 0.4076, 0.3446

Sweetspot

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



29.3305, 0.2750, 0.3817



59.6618, 0.3003, 0.3426



30.1926, 0.3335, 0.4519



12.9542, 0.2984, 0.3450



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.



29.3305, 0.2750, 0.3817



50.9356, 0.2690, 0.3962



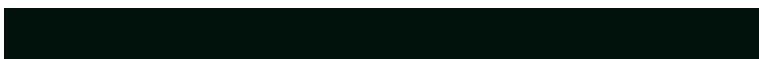
28.2200, 0.2527, 0.3185



7.9620, 0.3040, 0.3383



21.0290, 0.2628, 0.4661



0.4509, 0.2473, 0.4104

Inverse Universe

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



16.2321, 0.3780, 0.2829



24.3576, 0.4008, 0.2734



16.6763, 0.4211, 0.3389



7.1317, 0.3224, 0.3198



6.3715, 0.5297, 0.2692



0.1431, 0.4398, 0.2196

Previews

White Background



This preview shows how the Yxy color 29.3293, 0.2750, 0.3817 looks on a white background.

Color Contrast Check

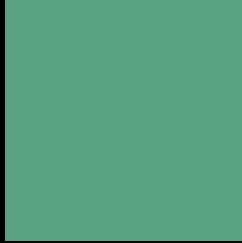
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.3293, 0.2750, 0.3817 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

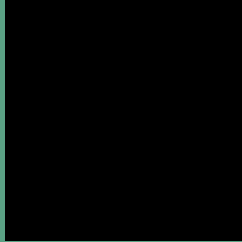
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.3293, 0.2750, 0.3817

Background



This preview shows how black text looks on a background with the Yxy color 29.3293, 0.2750, 0.3817.

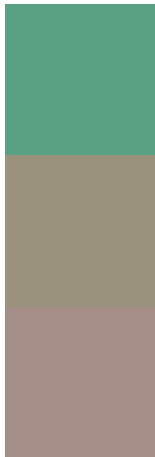


This preview shows how white text looks on a background with the Yxy color 29.3293, 0.2750, 0.3817.

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

29.3293, 0.2750, 0.3817

Protanopia

28.9085, 0.3424, 0.3625

Deuteranopia

29.1229, 0.3441, 0.3382



Tritanopia

29.2942, 0.2536, 0.3071

Trichromacy



Original Color

29.3293, 0.2750, 0.3817

Protanomaly

28.5170, 0.3139, 0.3680

Deuteranomaly

28.6474, 0.3147, 0.3521

Tritanomaly

29.3408, 0.2611, 0.3323

Monochromacy



Original Color

29.3293, 0.2750, 0.3817

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

25.9220, 0.2956, 0.3466

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.3293, 0.2750, 0.3817 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(90, 161, 132)` looks like.

```
.text, #text, p{  
    color:rgb(90, 161, 132)  
}
```

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(90, 161, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 161, 132) }
```

Border

The CSS property to change the border of an element to Yxy 29.3293, 0.2750, 0.3817 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(90, 161, 132) }
```

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

```
.border{ border-color:rgb(90, 161, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 161, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 161, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 161, 132);  
box-shadow:4px 4px 4px 4px rgb(90, 161,  
132) }
```


Background

The CSS property to change the background color of an element to Yxy 29.3293, 0.2750, 0.3817 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 161, 132) }
```

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

```
.background{ background-color: rgb(90, 161,  
132) }
```

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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