

Converting Colors

$Yxy(30.3427, 0.2606, 0.3536)$

Have a look what the booklet for
Yxy(30.3427, 0.2606, 0.3536)
contains.

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Color

$\text{Yxy}(30.3427, 0.2606, 0.3536)$

Conversions

Conversions Part 1

Format	Color
Hex	56A395
RGB	86, 163, 149
RGB Percent	34%, 64%, 58%
CMY	0.6625, 0.3608, 0.4157
CMYK	0.47, 0.00, 0.09, 0.36
HSL	169°, 31%, 49%
HSV	169°, 47%, 64%
XYZ	22.3623, 30.3427, 33.1058
YIQ	138.3810, -41.3980, -20.6780

Conversions

Conversions Part 2

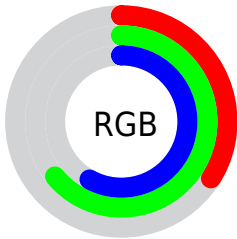
Format	Color
RYB	86, 128, 163
Decimal	5677973
CIELab	61.95, -27.32, -0.09
CIElCh	62, 27.315, 180.193
Yxy	30.3427, 0.2606, 0.3536
Android (android.graphics.Color)	4283868053 (0xFF56A395)
YUV	138.3810, 5.2352, -45.9381
Hunter-Lab	55.0842, -23.9325, 2.9254

Details

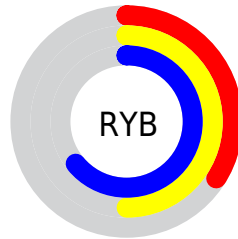
The Yxy color **30.3427, 0.2606, 0.3536** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **15.3717, 0.4143, 0.3071**, and the grayscale version is **25.5651, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.0301, 0.2708, 0.3484**, and **12.4976, 0.2433, 0.3634** is the 20% darker color. If you saturate the color by 10%, you get **29.5623, 0.2531, 0.3598**, and if you desaturate by 10%, it is **31.3044, 0.2697, 0.3477**.

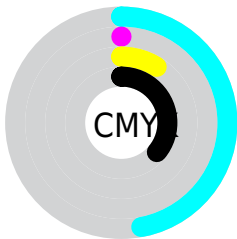
Distribution



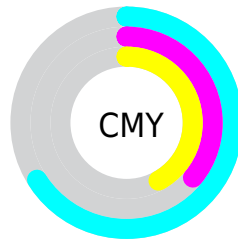
- Red (34%)
- Green (64%)
- Blue (58%)



- Red (34%)
- Yellow (50%)
- Blue (64%)



- Cyan (47%)
- Magenta (0%)
- Yellow (9%)
- Black (36%)




- Cyan (66%)
- Magenta (36%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.3427, 0.2606, 0.3536 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 30.3427, 0.2606, 0.3536 by changing the saturation by 10% instead.

 30.3427, 0.2606,
0.3536


 30.3427, 0.2606,
0.3536


303.4986, 0.2884,
0.3405


 20.0989, 0.2531,
0.3571

 60.2037, 0.2711,
0.3486


 12.4669, 0.2430,
0.3619


 80.5897, 0.2749,
0.3468

 7.0625, 0.2289,
0.3685


 105.1251, 0.2781,
0.3453

 3.5012, 0.2079,
0.3784

 134.1945, 0.2808,
0.3441

 1.3987, 0.1677,
0.3973

168.1821, 0.2831,
0.3430

 0.2157, 0.0000,
0.4720

207.4724, 0.2851,

 0.0000, 0.0000,

0.3421

0.0000

252.4498, 0.2868,
0.3412

■ 30.3427, 0.2606,
0.3536

■ 30.3427, 0.2606,
0.3536

■ 29.5623, 0.2531,
0.3598

■ 31.3044, 0.2697,
0.3477

■ 28.9474, 0.2473,
0.3661

■ 32.4548, 0.2801,
0.3421

■ 28.4855, 0.2434,
0.3726

■ 33.8053, 0.2915,
0.3369


■ 28.1607, 0.2413,
0.3791

■ 35.3651, 0.3036,
0.3322

■ 27.9481, 0.2409,
0.3855


■ 37.1433, 0.3163,
0.3278

 27.8957, 0.2409,
0.3873

 39.1479, 0.3292,
0.3239

 41.3870, 0.3422,
0.3205

 43.8679, 0.3550,
0.3174

 46.5979, 0.3676,
0.3147

Harmonies

Analogous

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



30.3427, 0.2988, 0.3915



30.3427, 0.2606, 0.3536



30.3427, 0.2371, 0.3104

Triad

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



30.3427, 0.2606, 0.3536



30.3427, 0.2790, 0.2603



30.3427, 0.3996, 0.3733

Complementary

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



30.3427, 0.2606, 0.3536



15.3717, 0.4143, 0.3071

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.



30.3427, 0.3946, 0.3386



30.3427, 0.2606, 0.3536



30.3427, 0.3222, 0.2763

Square

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



30.3427, 0.2606, 0.3536



30.3427, 0.2472, 0.2599



30.3427, 0.3654, 0.3041



30.3427, 0.3798, 0.3999

Rectangle

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



30.3427, 0.2606, 0.3536



30.3427, 0.2318, 0.2863



30.3427, 0.3654, 0.3041



30.3427, 0.4008, 0.3622

Sweetspot

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



30.3439, 0.2606, 0.3536



61.3282, 0.2950, 0.3355



29.5846, 0.3178, 0.4688



13.6499, 0.2925, 0.3365



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



30.3439, 0.2606, 0.3536



52.8406, 0.2525, 0.3603



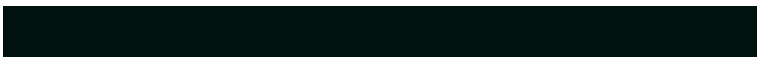
22.9840, 0.2434, 0.2849



7.9890, 0.3011, 0.3331



21.6870, 0.2408, 0.3867



0.4611, 0.2343, 0.3634

Inverse Universe

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



15.3717, 0.4143, 0.3071



22.6206, 0.4527, 0.3032



19.7015, 0.4185, 0.3679



7.1061, 0.3258, 0.3249



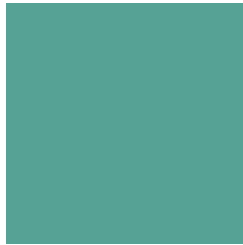
6.1283, 0.6082, 0.3124



0.1343, 0.5247, 0.2664

Previews

White Background



This preview shows how the Yxy color 30.3427, 0.2606, 0.3536 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 30.3427, 0.2606, 0.3536 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

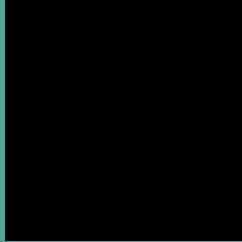
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.3427, 0.2606, 0.3536

Background



This preview shows how black text looks on a background with the Yxy color 30.3427, 0.2606, 0.3536.

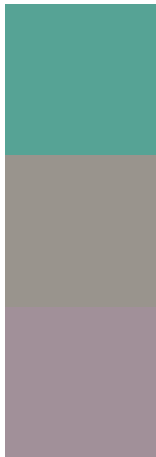


This preview shows how white text looks on a background with the Yxy color 30.3427, 0.2606, 0.3536.

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

30.3427, 0.2606, 0.3536

Protanopia

29.8752, 0.3247, 0.3400

Deuteranopia

29.8235, 0.3218, 0.3155



Tritanopia

30.4473, 0.2488, 0.3088

Trichromacy



Original Color

30.3427, 0.2606, 0.3536

Protanomaly

29.4632, 0.2974, 0.3439

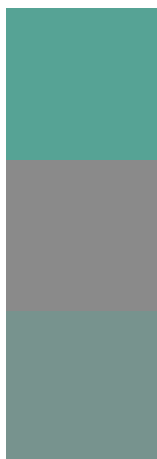
Deuteranomaly

29.4685, 0.2951, 0.3273

Tritanomaly

30.3437, 0.2524, 0.3237

Monochromacy



Original Color

30.3427, 0.2606, 0.3536

Achromatopsia

25.4152, 0.3127, 0.3290

Achromatomaly

26.7424, 0.2894, 0.3376

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.3427, 0.2606, 0.3536 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, 163, 149)` looks like.

```
.text, #text, p{  
    color:rgb(86, 163, 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(86, 163, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 163, 149) }
```

Border

The CSS property to change the border of an element to Yxy 30.3427, 0.2606, 0.3536 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, 163, 149) }
```

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

```
.border{ border-color:rgb(86, 163, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 163, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 163, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 163, 149);  
box-shadow:4px 4px 4px 4px rgb(86, 163,  
149) }
```


Background

The CSS property to change the background color of an element to Yxy 30.3427, 0.2606, 0.3536 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 163, 149) }
```

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

```
.background{ background-color: rgb(86, 163,  
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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