

Converting Colors

$Yxy(30.4995, 0.2670, 0.3882)$

Have a look what the booklet for
Yxy(30.4995, 0.2670, 0.3882)
contains.

Yxy(30.5856, 0.2674, 0.3892)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(30.5856, 0.2674, 0.3892)

Conversions

Conversions Part 1

Format	Color
Hex	4EA685
RGB	78, 166, 133
RGB Percent	31%, 65%, 52%
CMY	0.6940, 0.3490, 0.4784
CMYK	0.53, 0.00, 0.20, 0.35
HSL	157°, 36%, 48%
HSV	157°, 53%, 65%
XYZ	21.0138, 30.5856, 26.9864
YIQ	135.9260, -41.8550, -28.9190

Conversions

Conversions Part 2

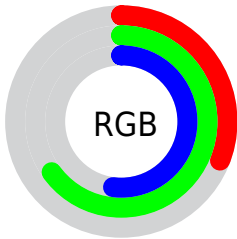
Format	Color
RYB	78, 132, 166
Decimal	5154437
CIELab	62.16, -34.54, 9.12
CIElCh	62, 35.727, 165.206
Yxy	30.5856, 0.2674, 0.3892
Android (android.graphics.Color)	4283344517 (0xFF4EA685)
YUV	135.9260, -1.4425, -50.8011
Hunter-Lab	55.3042, -28.9581, 9.7817

Details

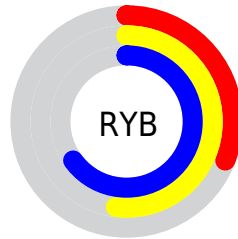
The Yxy color **30.5856, 0.2674, 0.3892** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **14.7094, 0.4039, 0.2786**, and the grayscale version is **24.6125, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.7743, 0.2769, 0.3769**, and **12.5130, 0.2512, 0.4126** is the 20% darker color. If you saturate the color by 10%, you get **29.8045, 0.2624, 0.4031**, and if you desaturate by 10%, it is **31.5563, 0.2739, 0.3759**.

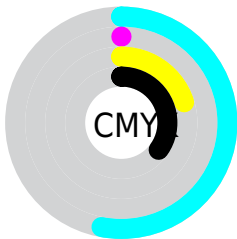
Distribution



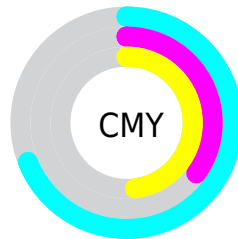
- Red (31%)
- Green (65%)
- Blue (52%)



- Red (31%)
- Yellow (52%)
- Blue (65%)



- Cyan (53%)
- Magenta (0%)
- Yellow (20%)
- Black (35%)




- Cyan (69%)
- Magenta (35%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.5856, 0.2674, 0.3892 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 30.5856, 0.2674, 0.3892 by changing the saturation by 10% instead.


 30.5856, 0.2674,
0.3892


 30.5856, 0.2674,
0.3892

304.6246, 0.2921,
0.3558


 20.2835, 0.2604,
0.3988


 60.5870, 0.2769,
0.3762


 12.6013, 0.2510,
0.4120

 81.0552, 0.2803,
0.3716

 7.1546, 0.2375,
0.4313

 105.6808, 0.2832,
0.3678

 3.5590, 0.2165,
0.4620

 134.8482, 0.2855,
0.3646

 1.4300, 0.1618,
0.5309

 168.9420, 0.2875,
0.3619

 0.2387, 0.0000,
1.0000

208.3463, 0.2893,

 0.0000, 0.0000,

0.3596

0.0000

253.4458, 0.2908,
0.3576

■ 30.5856, 0.2674,
0.3892

■ 30.5856, 0.2674,
0.3892

■ 29.8045, 0.2624,
0.4031

■ 31.5563, 0.2739,
0.3759

■ 29.1957, 0.2592,
0.4174

■ 32.7254, 0.2817,
0.3634

■ 28.7445, 0.2580,
0.4317

■ 34.1052, 0.2905,
0.3519

■ 28.4323, 0.2587,
0.4459

■ 35.7063, 0.2999,
0.3413

■ 28.2660, 0.2599,
0.4558

■ 37.5382, 0.3097,
0.3317

■ 39.6102, 0.3198,
0.3231

■ 41.9308, 0.3298,
0.3154

■ 44.5081, 0.3397,
0.3087

■ 47.3501, 0.3493,
0.3027

Harmonies

Analogous

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



30.5856, 0.3216, 0.4279



30.5856, 0.2674, 0.3892



30.5856, 0.2277, 0.3312

Triad

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



30.5856, 0.2674, 0.3892



30.5856, 0.2464, 0.2387



30.5856, 0.4271, 0.3620

Complementary

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



30.5856, 0.2674, 0.3892



14.7094, 0.4039, 0.2786

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.



30.5856, 0.4041, 0.3174



30.5856, 0.2674, 0.3892



30.5856, 0.2953, 0.2499

Square

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



30.5856, 0.2674, 0.3892



30.5856, 0.2170, 0.2479



30.5856, 0.3539, 0.2778



30.5856, 0.4156, 0.4036

Rectangle

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



30.5856, 0.2674, 0.3892



30.5856, 0.2135, 0.2948



30.5856, 0.3539, 0.2778



30.5856, 0.4232, 0.3470

Sweetspot

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



30.5868, 0.2674, 0.3892



63.7977, 0.2967, 0.3447



31.2514, 0.3332, 0.4806



14.1473, 0.2949, 0.3467



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



30.5868, 0.2674, 0.3892



53.8240, 0.2616, 0.4062



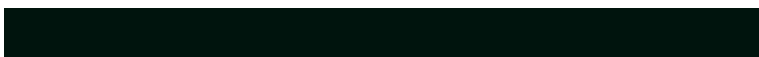
28.0631, 0.2423, 0.3109



8.4836, 0.3035, 0.3376



21.9285, 0.2596, 0.4545



0.5430, 0.2466, 0.4079

Inverse Universe

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



14.7094, 0.4039, 0.2786



21.7800, 0.4382, 0.2703



15.6861, 0.4535, 0.3451



7.5871, 0.3229, 0.3206



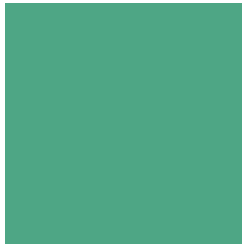
6.5671, 0.5435, 0.2768



0.1697, 0.4557, 0.2284

Previews

White Background



This preview shows how the Yxy color 30.5856, 0.2674, 0.3892 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 30.5856, 0.2674, 0.3892 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 30.5856, 0.2674, 0.3892

Background



This preview shows how black text looks on a background with the Yxy color 30.5856, 0.2674, 0.3892.

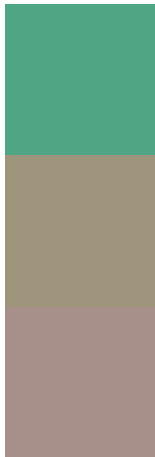


This preview shows how white text looks on a background with the Yxy color 30.5856, 0.2674, 0.3892.

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

30.5856, 0.2674, 0.3892

Protanopia

30.2192, 0.3469, 0.3681

Deuteranopia

30.1063, 0.3448, 0.3381



Tritanopia

30.3324, 0.2463, 0.3071

Trichromacy



Original Color

30.5856, 0.2674, 0.3892

Protanomaly

29.6421, 0.3124, 0.3764

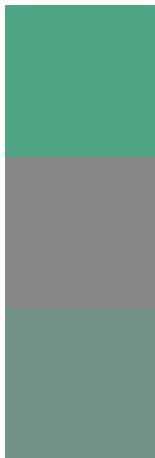
Deuteranomaly

29.3849, 0.3105, 0.3555

Tritanomaly

30.2877, 0.2542, 0.3358

Monochromacy



Original Color

30.5856, 0.2674, 0.3892

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

26.2615, 0.2918, 0.3503

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.5856, 0.2674, 0.3892 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(78, 166, 133)` looks like.

```
.text, #text, p{  
    color:rgb(78, 166, 133)  
}
```

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(78, 166, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 166, 133) }
```

Border

The CSS property to change the border of an element to Yxy 30.5856, 0.2674, 0.3892 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(78, 166, 133) }
```

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

```
.border{ border-color:rgb(78, 166, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 166, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 166, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 166, 133);  
box-shadow:4px 4px 4px 4px rgb(78, 166,  
133) }
```


Background

The CSS property to change the background color of an element to Yxy 30.5856, 0.2674, 0.3892 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 166, 133) }
```

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

```
.background{ background-color: rgb(78, 166,  
133) }
```

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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