

Converting Colors

$Yxy(31.3476, 0.2506, 0.3859)$

Have a look what the booklet for
Yxy(31.3476, 0.2506, 0.3859)
contains.

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Color

Yxy(31.2665, 0.2508, 0.3862)

Conversions

Conversions Part 1

Format	Color
Hex	31AA8B
RGB	49, 170, 139
RGB Percent	19%, 67%, 55%
CMY	0.8074, 0.3333, 0.4549
CMYK	0.71, 0.00, 0.18, 0.33
HSL	165°, 55%, 43%
HSV	165°, 71%, 67%
XYZ	20.3046, 31.2665, 29.3882
YIQ	130.2870, -62.1650, -35.2930

Conversions

Conversions Part 2

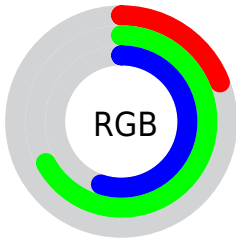
Format	Color
RYB	49, 118, 170
Decimal	3254923
CIELab	62.73, -40.46, 6.49
CIElCh	63, 40.982, 170.883
Yxy	31.2665, 0.2508, 0.3862
Android (android.graphics.Color)	4281445003 (0xFF31AA8B)
YUV	130.2870, 4.2955, -71.2887
Hunter-Lab	55.9165, -33.0362, 7.9802

Details

The Yxy color **31.2665, 0.2508, 0.3862** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **11.3316, 0.4874, 0.2887**, and the grayscale version is **22.4413, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.6432, 0.2638, 0.3747**, and **13.4438, 0.2457, 0.4046** is the 20% darker color. If you saturate the color by 10%, you get **30.7960, 0.2482, 0.3957**, and if you desaturate by 10%, it is **31.9040, 0.2553, 0.3768**.

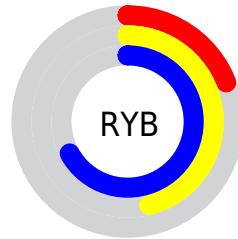
Distribution



Red (19%)

Green (67%)

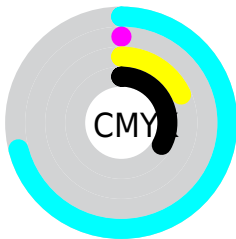
Blue (55%)



Red (19%)

Yellow (46%)

Blue (67%)

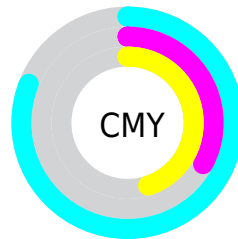


Cyan (71%)

Magenta (0%)

Yellow (18%)

Black (33%)



Cyan (81%)


Magenta (33%)


Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.2665, 0.2508, 0.3862 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 31.2665, 0.2508, 0.3862 by changing the saturation by 10% instead.


 31.2665, 0.2508,
0.3862


 31.2665, 0.2508,
0.3862

307.7642, 0.2841,
0.3549


 20.8019, 0.2417,
0.3951


 61.6594, 0.2635,
0.3741

 12.9792, 0.2295,
0.4071


 82.3565, 0.2680,
0.3698


 7.4143, 0.2123,
0.4245


 107.2331, 0.2718,
0.3662

 3.7225, 0.1867,
0.4516

 136.6738, 0.2751,
0.3632

 1.5196, 0.1190,
0.5139

 171.0628, 0.2778,
0.3606

 0.3024, 0.0000,
1.0000

210.7846, 0.2802,

 0.0000, 0.0000,

0.3584

0.0000

256.2236, 0.2822,
0.3565

■ 31.2665, 0.2508,
0.3862

■ 31.2665, 0.2508,
0.3862

■ 30.7960, 0.2482,
0.3957

■ 31.9040, 0.2553,
0.3768

■ 30.4698, 0.2476,
0.4051

■ 32.7210, 0.2615,
0.3677

■ 30.2651, 0.2482,
0.4135

■ 33.7328, 0.2694,
0.3590

■ 34.9522, 0.2786,
0.3508

■ 36.3907, 0.2889,
0.3431

■ 38.0593, 0.2999,
0.3361

■ 39.9679, 0.3114,
0.3297

■ 42.1259, 0.3232,
0.3239

■ 44.5423, 0.3351,
0.3188

Harmonies

Analogous

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



31.2665, 0.3096, 0.4376



31.2665, 0.2508, 0.3862



31.2665, 0.2111, 0.3181

Triad

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



31.2665, 0.2508, 0.3862



31.2665, 0.2466, 0.2287



31.2665, 0.4431, 0.3740

Complementary

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



31.2665, 0.2508, 0.3862



11.3316, 0.4874, 0.2887

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.



31.2665, 0.4248, 0.3243



31.2665, 0.2508, 0.3862



31.2665, 0.3047, 0.2451

Square

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



31.2665, 0.2508, 0.3862



31.2665, 0.2096, 0.2337



31.2665, 0.3717, 0.2789



31.2665, 0.4223, 0.4197

Rectangle

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



31.2665, 0.2508, 0.3862



31.2665, 0.1990, 0.2791



31.2665, 0.3717, 0.2789



31.2665, 0.4415, 0.3574

Sweetspot

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



31.2677, 0.2508, 0.3862



65.9554, 0.2886, 0.3433



30.7353, 0.3222, 0.5395



14.5443, 0.2858, 0.3453



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



31.2677, 0.2508, 0.3862



55.5270, 0.2477, 0.4008



22.8407, 0.2203, 0.2769



8.4987, 0.3020, 0.3349



22.2736, 0.2479, 0.4125



0.5495, 0.2393, 0.3815

Inverse Universe

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



11.3316, 0.4874, 0.2887



17.2128, 0.5457, 0.2923



14.1197, 0.5142, 0.3665



7.5727, 0.3247, 0.3232



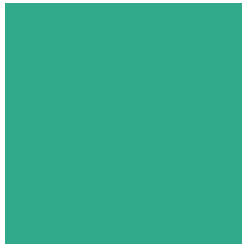
6.4261, 0.5868, 0.3006



0.1644, 0.4970, 0.2512

Previews

White Background



This preview shows how the Yxy color 31.2665, 0.2508, 0.3862 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 31.2665, 0.2508, 0.3862 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 31.2665, 0.2508, 0.3862

Background



This preview shows how black text looks on a background with the Yxy color 31.2665, 0.2508, 0.3862.



This preview shows how white text looks on a background with the Yxy color 31.2665, 0.2508, 0.3862.

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

31.2665, 0.2508, 0.3862

Protanopia

30.6668, 0.3416, 0.3616

Deuteranopia

30.8962, 0.3381, 0.3320



Tritanopia

31.3536, 0.2337, 0.3070

Trichromacy



Original Color

31.2665, 0.2508, 0.3862

Protanomaly

29.6589, 0.2967, 0.3704

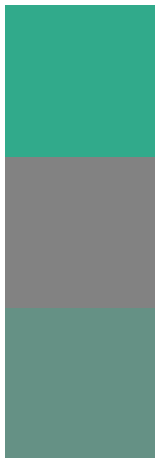
Deuteranomaly

29.7557, 0.2954, 0.3508

Tritanomaly

31.3099, 0.2394, 0.3340

Monochromacy



Original Color

31.2665, 0.2508, 0.3862

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

24.7110, 0.2804, 0.3512

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.2665, 0.2508, 0.3862 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(49, 170, 139)` looks like.

```
.text, #text, p{  
    color:rgb(49, 170, 139)  
}
```

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(49, 170, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 170, 139) }
```

Border

The CSS property to change the border of an element to Yxy 31.2665, 0.2508, 0.3862 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(49, 170, 139) }
```

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

```
.border{ border-color:rgb(49, 170, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 170, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 170, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 170, 139);  
box-shadow:4px 4px 4px 4px rgb(49, 170,  
139) }
```


Background

The CSS property to change the background color of an element to Yxy 31.2665, 0.2508, 0.3862 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 170, 139) }
```

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

```
.background{ background-color: rgb(49, 170,  
139) }
```

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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