

Converting Colors

$Yxy(32.4733, 0.2567, 0.3829)$

Have a look what the booklet for
Yxy(32.4733, 0.2567, 0.3829)
contains.

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Color

Yxy(32.6163, 0.2567, 0.3827)

Conversions

Conversions Part 1

Format	Color
Hex	42AC8E
RGB	66, 172, 142
RGB Percent	26%, 67%, 56%
CMY	0.7415, 0.3254, 0.4431
CMYK	0.62, 0.00, 0.17, 0.33
HSL	163°, 45%, 47%
HSV	163°, 62%, 67%
XYZ	21.8777, 32.6163, 30.7328
YIQ	136.8860, -53.5460, -31.8020

Conversions

Conversions Part 2

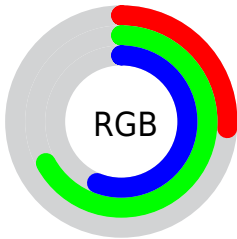
Format	Color
RYB	66, 128, 172
Decimal	4369550
CIELab	63.85, -37.75, 6.48
CIELCh	64, 38.303, 170.264
Yxy	32.6163, 0.2567, 0.3827
Android (android.graphics.Color)	4282559630 (0xFF42AC8E)
YUV	136.8860, 2.5212, -62.1670
Hunter-Lab	57.1107, -31.5647, 8.0719

Details

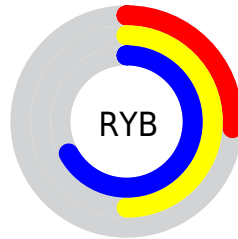
The Yxy color **32.6163, 0.2567, 0.3827** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **13.5029, 0.4471, 0.2866**, and the grayscale version is **24.9695, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.7574, 0.2677, 0.3709**, and **13.9664, 0.2446, 0.4006** is the 20% darker color. If you saturate the color by 10%, you get **31.9651, 0.2525, 0.3932**, and if you desaturate by 10%, it is **33.4561, 0.2627, 0.3725**.

Distribution



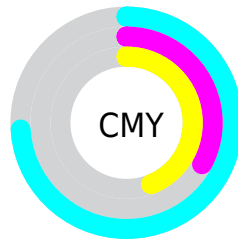
- Red (26%)
- Green (67%)
- Blue (56%)



- Red (26%)
- Yellow (50%)
- Blue (67%)



- Cyan (62%)
- Magenta (0%)
- Yellow (17%)
- Black (33%)





- Cyan (74%)
- Magenta (33%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.6163, 0.2567, 0.3827 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 32.6163, 0.2567, 0.3827 by changing the saturation by 10% instead.

 32.6163, 0.2567,
0.3827


 32.6163, 0.2567,
0.3827


313.9172, 0.2866,
0.3535


 21.8327, 0.2486,
0.3909


 63.7760, 0.2681,
0.3715


 13.7340, 0.2377,
0.4020


 84.9209, 0.2722,
0.3674

 7.9359, 0.2225,
0.4179


 110.2883, 0.2756,
0.3641

 4.0540, 0.1997,
0.4424

 140.2626, 0.2785,
0.3613

 1.7038, 0.1540,
0.4898

 175.2283, 0.2810,
0.3589

 0.4261, 0.0000,
0.9747

215.5697, 0.2831,

 0.0000, 0.0000,

0.3568

0.0000

261.6712, 0.2850,
0.3551

■ 32.6163, 0.2567,
0.3827

■ 32.6163, 0.2567,
0.3827

■ 31.9651, 0.2525,
0.3932

■ 33.4561, 0.2627,
0.3725

■ 31.4817, 0.2503,
0.4037

■ 34.4952, 0.2702,
0.3628

■ 31.1477, 0.2500,
0.4143

■ 35.7482, 0.2791,
0.3536

■ 30.9478, 0.2508,
0.4230

■ 37.2270, 0.2890,
0.3451

■ 38.9429, 0.2997,
0.3372

■ 40.9063, 0.3108,
0.3301

■ 43.1268, 0.3222,
0.3237

■ 45.6137, 0.3337,
0.3180

■ 48.3759, 0.3450,
0.3130

Harmonies

Analogous

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



32.6163, 0.3117, 0.4289



32.6163, 0.2567, 0.3827



32.6163, 0.2190, 0.3208

Triad

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



32.6163, 0.2567, 0.3827



32.6163, 0.2506, 0.2354



32.6163, 0.4331, 0.3708

Complementary

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



32.6163, 0.2567, 0.3827



13.5029, 0.4471, 0.2866

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.



32.6163, 0.4152, 0.3243



32.6163, 0.2567, 0.3827



32.6163, 0.3044, 0.2503

Square

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



32.6163, 0.2567, 0.3827



32.6163, 0.2163, 0.2409



32.6163, 0.3660, 0.2818



32.6163, 0.4151, 0.4130

Rectangle

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



32.6163, 0.2567, 0.3827



32.6163, 0.2071, 0.2844



32.6163, 0.3660, 0.2818



32.6163, 0.4313, 0.3553

Sweetspot

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



32.6176, 0.2567, 0.3827



68.2135, 0.2914, 0.3432



32.3873, 0.3250, 0.5120



14.6476, 0.2885, 0.3454



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.



32.6176, 0.2567, 0.3827



57.6277, 0.2515, 0.3970



25.6375, 0.2297, 0.2881



9.0329, 0.3023, 0.3355



23.0369, 0.2505, 0.4219



0.6496, 0.2417, 0.3903

Inverse Universe

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



13.5029, 0.4471, 0.2866



19.9987, 0.4964, 0.2840



16.2941, 0.4791, 0.3620



8.0512, 0.3244, 0.3226



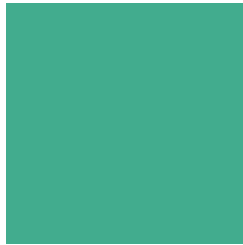
6.6980, 0.5783, 0.2959



0.1958, 0.4925, 0.2487

Previews

White Background



This preview shows how the Yxy color 32.6163, 0.2567, 0.3827 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 32.6163, 0.2567, 0.3827 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 32.6163, 0.2567, 0.3827

Background



This preview shows how black text looks on a background with the Yxy color 32.6163, 0.2567, 0.3827.

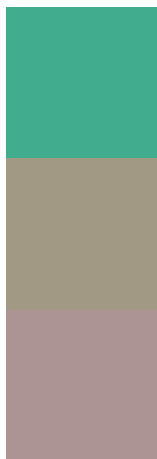


This preview shows how white text looks on a background with the Yxy color 32.6163, 0.2567, 0.3827.

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

32.6163, 0.2567, 0.3827

Protanopia

32.0255, 0.3411, 0.3611

Deuteranopia

31.9443, 0.3378, 0.3305



Tritanopia

32.6382, 0.2390, 0.3075

Trichromacy



Original Color

32.6163, 0.2567, 0.3827



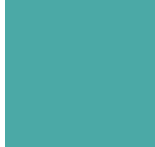
Protanomaly

31.3548, 0.3015, 0.3690



Deuteranomaly

31.1448, 0.3003, 0.3485



Tritanomaly

32.6250, 0.2453, 0.3339

Monochromacy



Original Color

32.6163, 0.2567, 0.3827



Achromatopsia

25.0158, 0.3127, 0.3290



Achromatomaly

27.0563, 0.2849, 0.3484

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.6163, 0.2567, 0.3827 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(66, 172, 142)` looks like.

```
.text, #text, p{  
    color:rgb(66, 172, 142)  
}
```

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(66, 172, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 172, 142) }
```

Border

The CSS property to change the border of an element to Yxy 32.6163, 0.2567, 0.3827 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(66, 172, 142) }
```

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

```
.border{ border-color:rgb(66, 172, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 172, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 172, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 172, 142);  
box-shadow:4px 4px 4px 4px rgb(66, 172,  
142) }
```


Background

The CSS property to change the background color of an element to Yxy 32.6163, 0.2567, 0.3827 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 172, 142) }
```

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

```
.background{ background-color: rgb(66, 172,  
142) }
```

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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