

Converting Colors

$Yxy(32.8881, 0.2661, 0.3799)$

Have a look what the booklet for
Yxy(32.8881, 0.2661, 0.3799)
contains.

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Color

Yxy(32.9636, 0.2661, 0.3798)

Conversions

Conversions Part 1

Format	Color
Hex	54AB8E
RGB	84, 171, 142
RGB Percent	33%, 67%, 56%
CMY	0.6709, 0.3294, 0.4432
CMYK	0.51, 0.00, 0.17, 0.33
HSL	160°, 34%, 50%
HSV	160°, 51%, 67%
XYZ	23.0954, 32.9636, 30.7330
YIQ	141.6810, -42.5430, -27.4630

Conversions

Conversions Part 2

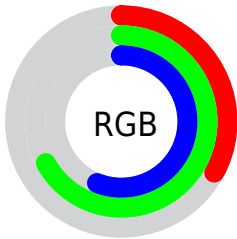
Format	Color
RYB	84, 136, 171
Decimal	5548942
CIELab	64.13, -33.39, 6.96
CIElCh	64, 34.105, 168.217
Yxy	32.9636, 0.2661, 0.3798
Android (android.graphics.Color)	4283739022 (0xFF54AB8E)
YUV	141.6810, 0.1573, -50.5862
Hunter-Lab	57.4139, -28.6709, 8.4525

Details

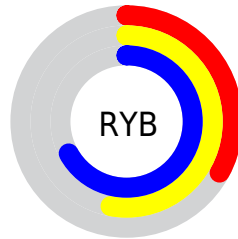
The Yxy color **32.9636, 0.2661, 0.3798** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **16.1782, 0.4050, 0.2857**, and the grayscale version is **26.9221, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.4127, 0.2753, 0.3689**, and **13.9001, 0.2498, 0.3973** is the 20% darker color. If you saturate the color by 10%, you get **32.1039, 0.2604, 0.3919**, and if you desaturate by 10%, it is **34.0273, 0.2733, 0.3682**.

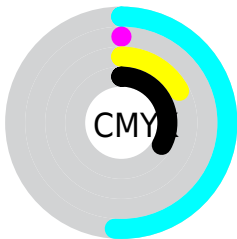
Distribution



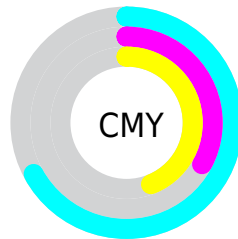
- Red (33%)
- Green (67%)
- Blue (56%)



- Red (33%)
- Yellow (53%)
- Blue (67%)



- Cyan (51%)
- Magenta (0%)
- Yellow (17%)
- Black (33%)




- Cyan (67%)
- Magenta (33%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.9636, 0.2661, 0.3798 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 32.9636, 0.2661, 0.3798 by changing the saturation by 10% instead.


 32.9636, 0.2661,
0.3798


 32.9636, 0.2661,
0.3798


315.4857, 0.2911,
0.3522

 22.0986, 0.2593,
0.3875


 64.3187, 0.2756,
0.3692


 13.9293, 0.2502,
0.3980


 85.5775, 0.2790,
0.3654

 8.0715, 0.2373,
0.4131

 111.0698, 0.2819,
0.3622

 4.1408, 0.2180,
0.4364

 141.1798, 0.2843,
0.3596

 1.7526, 0.1834,
0.4784

176.2920, 0.2863,
0.3573

 0.4574, 0.0000,
0.9763

216.7908, 0.2881,

 0.0000, 0.0000,

0.3554

0.0000

263.0606, 0.2897,
0.3537

■ 32.9636, 0.2661,
0.3798

■ 32.9636, 0.2661,
0.3798

■ 32.1039, 0.2604,
0.3919

■ 34.0273, 0.2733,
0.3682

■ 31.4298, 0.2565,
0.4044

■ 35.3039, 0.2818,
0.3574

■ 30.9262, 0.2546,
0.4171

■ 36.8067, 0.2912,
0.3473

■ 30.5737, 0.2546,
0.4297

■ 38.5466, 0.3012,
0.3381

■ 30.3467, 0.2558,
0.4410

■ 40.5338, 0.3117,
0.3297

■ 42.7781, 0.3224,
0.3223

■ 45.2884, 0.3331,
0.3156

■ 48.0735, 0.3436,
0.3097

■ 51.1416, 0.3539,
0.3046

Harmonies

Analogous

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



32.9636, 0.3161, 0.4183



32.9636, 0.2661, 0.3798



32.9636, 0.2305, 0.3259

Triad

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



32.9636, 0.2661, 0.3798



32.9636, 0.2546, 0.2445



32.9636, 0.4196, 0.3647

Complementary

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



32.9636, 0.2661, 0.3798



16.1782, 0.4050, 0.2857

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.



32.9636, 0.4013, 0.3226



32.9636, 0.2661, 0.3798



32.9636, 0.3019, 0.2567

Square

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



32.9636, 0.2661, 0.3798



32.9636, 0.2247, 0.2514



32.9636, 0.3566, 0.2845



32.9636, 0.4063, 0.4026

Rectangle

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



32.9636, 0.2661, 0.3798



32.9636, 0.2185, 0.2929



32.9636, 0.3566, 0.2845



32.9636, 0.4171, 0.3507

Sweetspot

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



32.9649, 0.2661, 0.3798



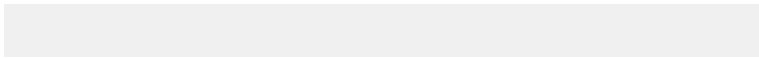
67.6183, 0.2968, 0.3420



33.2773, 0.3289, 0.4766



14.9377, 0.2947, 0.3439



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.



32.9649, 0.2661, 0.3798



57.3308, 0.2599, 0.3934



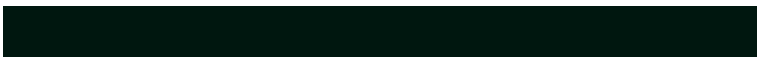
28.7662, 0.2428, 0.3040



9.0260, 0.3029, 0.3367



22.8829, 0.2555, 0.4398



0.6462, 0.2450, 0.4020

Inverse Universe

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



16.1782, 0.4050, 0.2857



23.9005, 0.4380, 0.2785



18.1150, 0.4421, 0.3512



8.0577, 0.3236, 0.3215



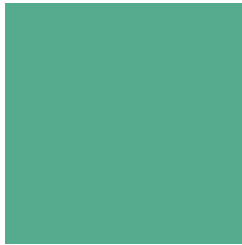
6.7582, 0.5601, 0.2859



0.1983, 0.4751, 0.2391

Previews

White Background



This preview shows how the Yxy color 32.9636, 0.2661, 0.3798 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 32.9636, 0.2661, 0.3798 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

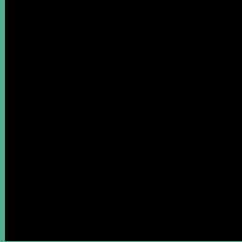
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.9636, 0.2661, 0.3798

Background



This preview shows how black text looks on a background with the Yxy color 32.9636, 0.2661, 0.3798.

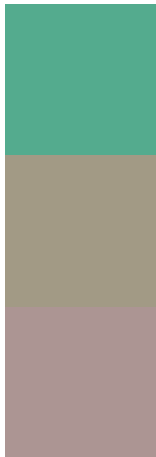


This preview shows how white text looks on a background with the Yxy color 32.9636, 0.2661, 0.3798.

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

32.9636, 0.2661, 0.3798

Protanopia

32.4860, 0.3409, 0.3609

Deuteranopia

32.3721, 0.3387, 0.3320



Tritanopia

32.9600, 0.2474, 0.3078

Trichromacy



Original Color

32.9636, 0.2661, 0.3798

Protanomaly

31.9875, 0.3090, 0.3682

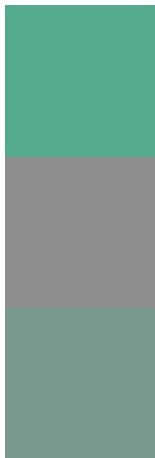
Deuteranomaly

31.7337, 0.3070, 0.3481

Tritanomaly

32.9826, 0.2538, 0.3322

Monochromacy



Original Color

32.9636, 0.2661, 0.3798

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

28.8004, 0.2916, 0.3477

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.9636, 0.2661, 0.3798 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(84, 171, 142)` looks like.

```
.text, #text, p{  
    color:rgb(84, 171, 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(84, 171, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 171, 142) }
```

Border

The CSS property to change the border of an element to Yxy 32.9636, 0.2661, 0.3798 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(84, 171, 142) }
```

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

```
.border{ border-color:rgb(84, 171, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 171, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 171, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 171, 142);  
box-shadow:4px 4px 4px 4px rgb(84, 171,  
142) }
```


Background

The CSS property to change the background color of an element to Yxy 32.9636, 0.2661, 0.3798 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 171, 142) }
```

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

```
.background{ background-color: rgb(84, 171,  
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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