

Converting Colors

$Yxy(32.0485, 0.2767, 0.4435)$

Have a look what the booklet for
Yxy(32.0485, 0.2767, 0.4435)
contains.

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Color

Yxy(32.1931, 0.2769, 0.4444)

Conversions

Conversions Part 1

Format	Color
Hex	42AD6F
RGB	66, 173, 111
RGB Percent	26%, 68%, 44%
CMY	0.7411, 0.3216, 0.5648
CMYK	0.62, 0.00, 0.36, 0.32
HSL	145°, 45%, 47%
HSV	145°, 62%, 68%
XYZ	20.0591, 32.1931, 20.1895
YIQ	133.9390, -43.8700, -41.9660

Conversions

Conversions Part 2

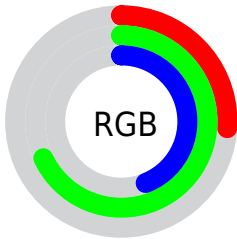
Format	Color
RYB	66, 141, 173
Decimal	4369775
CIELab	63.50, -44.99, 23.03
CIELCh	64, 50.543, 152.899
Yxy	32.1931, 0.2769, 0.4444
Android (android.graphics.Color)	4282559855 (0xFF42AD6F)
YUV	133.9390, -11.3089, -59.5825
Hunter-Lab	56.7390, -36.1875, 18.6200

Details

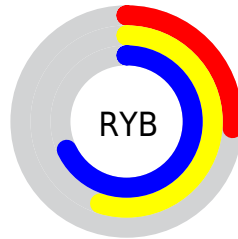
The Yxy color **32.1931, 0.2769, 0.4444** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **14.3418, 0.3885, 0.2414**, and the grayscale version is **23.8720, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.9681, 0.2854, 0.4185**, and **13.7918, 0.2684, 0.4862** is the 20% darker color. If you saturate the color by 10%, you get **31.4729, 0.2751, 0.4669**, and if you desaturate by 10%, it is **33.1224, 0.2804, 0.4223**.

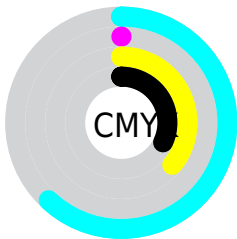
Distribution



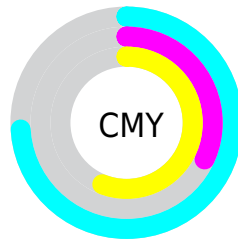
- Red (26%)
- Green (68%)
- Blue (44%)



- Red (26%)
- Yellow (55%)
- Blue (68%)



- Cyan (62%)
- Magenta (0%)
- Yellow (36%)
- Black (32%)





- Cyan (74%)
- Magenta (32%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.1931, 0.2769, 0.4444 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 32.1931, 0.2769, 0.4444 by changing the saturation by 10% instead.

 32.1931, 0.2769,
0.4444


 32.1931, 0.2769,
0.4444


311.9979, 0.2979,
0.3793


 21.5090, 0.2704,
0.4635


 63.1137, 0.2854,
0.4187


 13.4966, 0.2611,
0.4900


 84.1190, 0.2883,
0.4097

 7.7714, 0.2470,
0.5288


 109.3335, 0.2907,
0.4023

 3.9490, 0.2234,
0.5902

 139.1416, 0.2926,
0.3962

 1.6451, 0.1624,
0.8287

 173.9277, 0.2943,
0.3910

 0.3877, 0.0000,
1.0000

214.0762, 0.2957,

 0.0000, 0.0000,

0.3865

0.0000

259.9715, 0.2969,
0.3826

■ 32.1931, 0.2769,
0.4444

■ 32.1931, 0.2769,
0.4444

■ 31.4729, 0.2751,
0.4669

■ 33.1224, 0.2804,
0.4223

■ 30.9402, 0.2751,
0.4889

■ 34.2726, 0.2851,
0.4011

■ 30.5752, 0.2769,
0.5098

■ 35.6590, 0.2909,
0.3812

■ 30.3658, 0.2794,
0.5257

■ 37.2945, 0.2974,
0.3629

■ 39.1911, 0.3043,
0.3464

■ 41.3599, 0.3114,
0.3315

■ 43.8113, 0.3185,
0.3184

■ 46.5554, 0.3255,
0.3068

■ 49.6014, 0.3322,
0.2966

Harmonies

Analogous

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



32.1931, 0.3526, 0.4766



32.1931, 0.2769, 0.4444



32.1931, 0.2151, 0.3649

Triad

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



32.1931, 0.2769, 0.4444



32.1931, 0.2041, 0.2100



32.1931, 0.4643, 0.3441

Complementary

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



32.1931, 0.2769, 0.4444



14.3418, 0.3885, 0.2414

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.



32.1931, 0.4143, 0.2886



32.1931, 0.2769, 0.4444



32.1931, 0.2579, 0.2154

Square

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



32.1931, 0.2769, 0.4444



32.1931, 0.1785, 0.2313



32.1931, 0.3347, 0.2432



32.1931, 0.4648, 0.4024

Rectangle

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



32.1931, 0.2769, 0.4444



32.1931, 0.1892, 0.3085



32.1931, 0.3347, 0.2432



32.1931, 0.4527, 0.3250

Sweetspot

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



32.1944, 0.2769, 0.4444



67.5983, 0.2991, 0.3586



34.9041, 0.3537, 0.4959



14.4973, 0.2972, 0.3634



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.



32.1944, 0.2769, 0.4444



55.9986, 0.2749, 0.4746



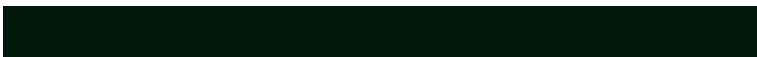
33.7306, 0.2438, 0.3440



8.9931, 0.3061, 0.3424



22.3181, 0.2788, 0.5237



0.6319, 0.2614, 0.4612

Inverse Universe

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



14.3418, 0.3885, 0.2414



21.3255, 0.4136, 0.2304



13.2894, 0.4884, 0.3174



8.0903, 0.3199, 0.3159



7.2184, 0.4596, 0.2306



0.2114, 0.4074, 0.2018

Previews

White Background



This preview shows how the Yxy color 32.1931, 0.2769, 0.4444 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 32.1931, 0.2769, 0.4444 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 32.1931, 0.2769, 0.4444

Background



This preview shows how black text looks on a background with the Yxy color 32.1931, 0.2769, 0.4444.



This preview shows how white text looks on a background with the Yxy color 32.1931, 0.2769, 0.4444.

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

32.1931, 0.2769, 0.4444

Protanopia

31.7411, 0.3748, 0.4059

Deuteranopia

31.4258, 0.3787, 0.3710



Tritanopia

32.1509, 0.2431, 0.3075

Trichromacy



Original Color

32.1931, 0.2769, 0.4444



Protanomaly

30.8287, 0.3310, 0.4221



Deuteranomaly

30.4180, 0.3323, 0.3969



Tritanomaly

32.0006, 0.2545, 0.3532

Monochromacy



Original Color

32.1931, 0.2769, 0.4444



Achromatopsia

23.8398, 0.3127, 0.3290



Achromatomaly

25.9374, 0.2941, 0.3692

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.1931, 0.2769, 0.4444 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, 173, 111)` looks like.

```
.text, #text, p{  
    color:rgb(66, 173, 111)  
}
```

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, 173, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 173, 111) }
```

Border

The CSS property to change the border of an element to Yxy 32.1931, 0.2769, 0.4444 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, 173, 111) }
```

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

```
.border{ border-color:rgb(66, 173, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 173, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 173, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 173, 111);  
box-shadow:4px 4px 4px 4px rgb(66, 173,  
111) }
```


Background

The CSS property to change the background color of an element to Yxy 32.1931, 0.2769, 0.4444 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 173, 111) }
```

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

```
.background{ background-color: rgb(66, 173,  
111) }
```

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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