

Converting Colors

$Yxy(32.4002, 0.2763, 0.4682)$

Have a look what the booklet for
Yxy(32.4002, 0.2763, 0.4682)
contains.

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Color

Yxy(32.3033, 0.2764, 0.4689)

Conversions

Conversions Part 1

Format	Color
Hex	33AF65
RGB	51, 175, 101
RGB Percent	20%, 69%, 40%
CMY	0.8003, 0.3137, 0.6039
CMYK	0.71, 0.00, 0.42, 0.31
HSL	144°, 55%, 44%
HSV	144°, 71%, 69%
XYZ	19.0417, 32.3033, 17.5467
YIQ	129.4880, -50.1500, -49.3020

Conversions

Conversions Part 2

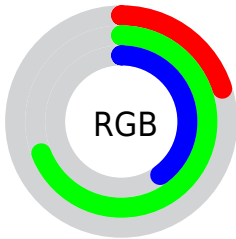
Format	Color
RYB	51, 139, 175
Decimal	3387237
CIELab	63.59, -50.51, 28.39
CIElCh	64, 57.939, 150.657
Yxy	32.3033, 0.2764, 0.4689
Android (android.graphics.Color)	4281577317 (0xFF33AF65)
YUV	129.4880, -14.0446, -68.8340
Hunter-Lab	56.8360, -39.6605, 21.4809




Details

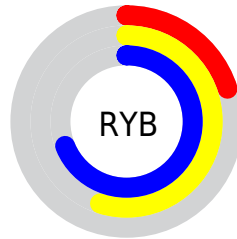
The Yxy color **32.3033, 0.2764, 0.4689** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **12.9542, 0.4014, 0.2305**, and the grayscale version is **22.1902, 0.3127, 0.3290**.




A 20% lighter version of the original color is **63.5238, 0.2853, 0.4376**, and **13.9318, 0.2763, 0.5146** is the 20% darker color. If you saturate the color by 10%, you get **31.7414, 0.2763, 0.4916**, and if you desaturate by 10%, it is **33.0648, 0.2783, 0.4458**.

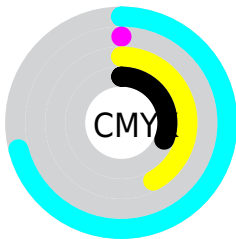
Distribution







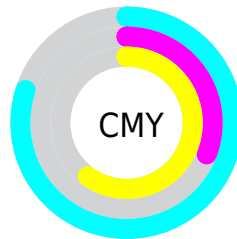
-  Red (20%)
-  Green (69%)
-  Blue (40%)






-  Red (20%)
-  Yellow (55%)
-  Blue (69%)



-  Cyan (71%)
-  Magenta (0%)
-  Yellow (42%)
-  Black (31%)





-  Cyan (80%)
-  Magenta (31%)
-  Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.3033, 0.2764, 0.4689 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 32.3033, 0.2764, 0.4689 by changing the saturation by 10% instead.


 32.3033, 0.2764,
0.4689


 32.3033, 0.2764,
0.4689


312.4986, 0.2986,
0.3894


 21.5933, 0.2692,
0.4924


 63.2863, 0.2856,
0.4374

 13.5583, 0.2586,
0.5248

 84.3280, 0.2887,
0.4264


 7.8141, 0.2422,
0.5721


 109.5824, 0.2912,
0.4174

 3.9763, 0.2143,
0.6461

 139.4339, 0.2932,
0.4099

 1.6603, 0.1062,
0.8938

 174.2669, 0.2949,
0.4036

 0.3977, 0.0000,
1.0000

214.4657, 0.2963,

 0.0000, 0.0000,

0.3982

0.0000

260.4148, 0.2975,
0.3935

■ 32.3033, 0.2764,
0.4689

■ 32.3033, 0.2764,
0.4689

■ 31.7414, 0.2763,
0.4916

■ 33.0648, 0.2783,
0.4458

■ 31.3537, 0.2781,
0.5130

■ 34.0401, 0.2817,
0.4231

■ 31.1134, 0.2808,
0.5308

■ 35.2465, 0.2865,
0.4013

■ 36.6983, 0.2922,
0.3809

■ 38.4090, 0.2985,
0.3623

■ 40.3905, 0.3052,
0.3454

■ 42.6546, 0.3121,
0.3303

■ 45.2118, 0.3189,
0.3169

■ 48.0724, 0.3257,
0.3051

Harmonies

Analogous

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



32.3033, 0.3615, 0.4983



32.3033, 0.2764, 0.4689



32.3033, 0.2059, 0.3773

Triad

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



32.3033, 0.2764, 0.4689



32.3033, 0.1879, 0.1965



32.3033, 0.4834, 0.3385

Complementary

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



32.3033, 0.2764, 0.4689



12.9542, 0.4014, 0.2305

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.



32.3033, 0.4227, 0.2785



32.3033, 0.2764, 0.4689



32.3033, 0.2447, 0.2010

Square

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



32.3033, 0.2764, 0.4689



32.3033, 0.1622, 0.2212



32.3033, 0.3300, 0.2299



32.3033, 0.4862, 0.4030

Rectangle

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



32.3033, 0.2764, 0.4689



32.3033, 0.1763, 0.3107



32.3033, 0.3300, 0.2299



32.3033, 0.4690, 0.3177

Sweetspot

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



32.3046, 0.2764, 0.4689



68.6309, 0.2982, 0.3631



35.2894, 0.3574, 0.5161



15.0610, 0.2965, 0.3680



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



32.3046, 0.2764, 0.4689



56.4196, 0.2771, 0.5037



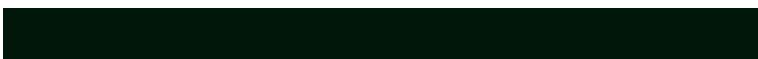
33.9947, 0.2397, 0.3502



8.9909, 0.3063, 0.3428



22.2907, 0.2802, 0.5287



0.6311, 0.2626, 0.4653

Inverse Universe

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



12.9542, 0.4014, 0.2305



19.6416, 0.4301, 0.2243



11.8383, 0.5257, 0.3148



8.0925, 0.3197, 0.3156



7.2601, 0.4529, 0.2269



0.2124, 0.4033, 0.1996

Previews

White Background



This preview shows how the Yxy color 32.3033, 0.2764, 0.4689 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 32.3033, 0.2764, 0.4689 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 32.3033, 0.2764, 0.4689

Background



This preview shows how black text looks on a background with the Yxy color 32.3033, 0.2764, 0.4689.



This preview shows how white text looks on a background with the Yxy color 32.3033, 0.2764, 0.4689.

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

32.3033, 0.2764, 0.4689

Protanopia

31.7707, 0.3863, 0.4194

Deuteranopia

31.5856, 0.3915, 0.3831



Tritanopia

32.2326, 0.2392, 0.3074

Trichromacy



Original Color

32.3033, 0.2764, 0.4689



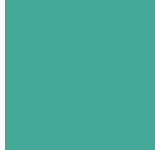
Protanomaly

30.6759, 0.3350, 0.4416



Deuteranomaly

30.2022, 0.3369, 0.4163



Tritanomaly

31.8755, 0.2516, 0.3607

Monochromacy



Original Color

32.3033, 0.2764, 0.4689



Achromatopsia

21.9526, 0.3127, 0.3290



Achromatomaly

24.6564, 0.2926, 0.3802

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.3033, 0.2764, 0.4689 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(51, 175, 101)` looks like.

```
.text, #text, p{  
    color:rgb(51, 175, 101)  
}
```

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(51, 175, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 175, 101) }
```

Border

The CSS property to change the border of an element to Yxy 32.3033, 0.2764, 0.4689 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(51, 175, 101) }
```

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

```
.border{ border-color:rgb(51, 175, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 175, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 175, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 175, 101);  
box-shadow:4px 4px 4px 4px rgb(51, 175,  
101) }
```


Background

The CSS property to change the background color of an element to Yxy 32.3033, 0.2764, 0.4689 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 175, 101) }
```

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

```
.background{ background-color: rgb(51, 175,  
101) }
```

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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