

Converting Colors

$Yxy(30.7846, 0.2733, 0.4566)$

Have a look what the booklet for
Yxy(30.7846, 0.2733, 0.4566)
contains.

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Color

Yxy(30.8495, 0.2730, 0.4559)

Conversions

Conversions Part 1

Format	Color
Hex	33AB69
RGB	51, 171, 105
RGB Percent	20%, 67%, 41%
CMY	0.8005, 0.3294, 0.5882
CMYK	0.70, 0.00, 0.39, 0.33
HSL	147°, 54%, 44%
HSV	147°, 70%, 67%
XYZ	18.4732, 30.8495, 18.3446
YIQ	127.5960, -50.3340, -45.9660

Conversions

Conversions Part 2

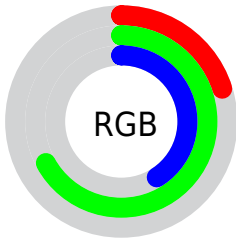
Format	Color
RYB	51, 134, 171
Decimal	3386217
CIELab	62.38, -48.22, 24.68
CIELCh	62, 54.168, 152.899
Yxy	30.8495, 0.2730, 0.4559
Android (android.graphics.Color)	4281576297 (0xFF33AB69)
YUV	127.5960, -11.1398, -67.1747
Hunter-Lab	55.5423, -37.8307, 19.2972

Details

The Yxy color **30.8495, 0.2730, 0.4559** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **12.2981, 0.4110, 0.2386**, and the grayscale version is **21.4805, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.8832, 0.2827, 0.4264**, and **13.2523, 0.2722, 0.4998** is the 20% darker color. If you saturate the color by 10%, you get **30.3037, 0.2725, 0.4771**, and if you desaturate by 10%, it is **31.5823, 0.2753, 0.4346**.

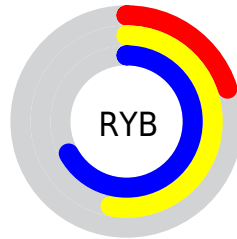
Distribution



Red (20%)

Green (67%)

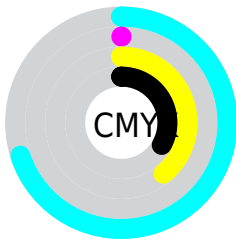
Blue (41%)



Red (20%)

Yellow (53%)

Blue (67%)

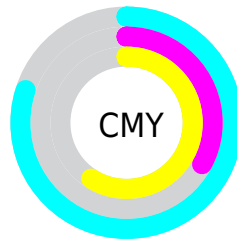


Cyan (70%)

Magenta (0%)

Yellow (39%)

Black (33%)



Cyan (80%)

Magenta (33%)


Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.8495, 0.2730, 0.4559 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 30.8495, 0.2730, 0.4559 by changing the saturation by 10% instead.

 30.8495, 0.2730,
0.4559


 30.8495, 0.2730,
0.4559


305.8444, 0.2966,
0.3835

 20.4843, 0.2655,
0.4775


 61.0030, 0.2826,
0.4271

 12.7476, 0.2548,
0.5075

 81.5602, 0.2859,
0.4171


 7.2549, 0.2383,
0.5519


 106.2833, 0.2886,
0.4089

 3.6220, 0.2104,
0.6224

 135.5570, 0.2907,
0.4021

 1.4645, 0.0790,
0.9210

 169.7656, 0.2926,
0.3964

 0.2635, 0.0000,
1.0000

209.2934, 0.2941,

 0.0000, 0.0000,

0.3915

0.0000

254.5248, 0.2954,
0.3872

■ 30.8495, 0.2730,
0.4559

■ 30.8495, 0.2730,
0.4559

■ 30.3037, 0.2725,
0.4771

■ 31.5823, 0.2753,
0.4346

■ 29.9216, 0.2739,
0.4974

■ 32.5153, 0.2793,
0.4138

■ 29.6666, 0.2767,
0.5160

■ 33.6643, 0.2845,
0.3940

■ 35.0429, 0.2908,
0.3754

■ 36.6632, 0.2977,
0.3585

■ 38.5365, 0.3050,
0.3431

■ 40.6736, 0.3125,
0.3293

■ 43.0844, 0.3200,
0.3171

■ 45.7784, 0.3274,
0.3063

Harmonies

Analogous

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



30.8495, 0.3543, 0.4899



30.8495, 0.2730, 0.4559



30.8495, 0.2071, 0.3677

Triad

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



30.8495, 0.2730, 0.4559



30.8495, 0.1962, 0.2015



30.8495, 0.4772, 0.3437

Complementary

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



30.8495, 0.2730, 0.4559



12.2981, 0.4110, 0.2386

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.



30.8495, 0.4231, 0.2851



30.8495, 0.2730, 0.4559



30.8495, 0.2533, 0.2074

Square

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



30.8495, 0.2730, 0.4559



30.8495, 0.1691, 0.2234



30.8495, 0.3362, 0.2370



30.8495, 0.4766, 0.4058

Rectangle

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



30.8495, 0.2730, 0.4559



30.8495, 0.1799, 0.3058



30.8495, 0.3362, 0.2370



30.8495, 0.4648, 0.3235

Sweetspot

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



30.8507, 0.2730, 0.4559



65.3041, 0.2969, 0.3603



33.1467, 0.3516, 0.5182



14.3834, 0.2950, 0.3647



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.



30.8507, 0.2730, 0.4559



53.8717, 0.2730, 0.4879



32.5477, 0.2368, 0.3392



8.9971, 0.3057, 0.3417



22.3712, 0.2762, 0.5142



0.6335, 0.2594, 0.4539

Inverse Universe

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



12.2981, 0.4110, 0.2386



18.5694, 0.4433, 0.2334



11.3105, 0.5335, 0.3225



8.0862, 0.3204, 0.3166



7.1463, 0.4720, 0.2374



0.2096, 0.4149, 0.2059

Previews

White Background



This preview shows how the Yxy color 30.8495, 0.2730, 0.4559 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 30.8495, 0.2730, 0.4559 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 30.8495, 0.2730, 0.4559

Background



This preview shows how black text looks on a background with the Yxy color 30.8495, 0.2730, 0.4559.



This preview shows how white text looks on a background with the Yxy color 30.8495, 0.2730, 0.4559.

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

30.8495, 0.2730, 0.4559

Protanopia

30.4438, 0.3799, 0.4113

Deuteranopia

30.1397, 0.3844, 0.3758



Tritanopia

30.9068, 0.2383, 0.3070

Trichromacy



Original Color

30.8495, 0.2730, 0.4559



Protanomaly

29.4921, 0.3295, 0.4318



Deuteranomaly

28.7119, 0.3312, 0.4044



Tritanomaly

30.7034, 0.2507, 0.3575

Monochromacy



Original Color

30.8495, 0.2730, 0.4559



Achromatopsia

21.5861, 0.3127, 0.3290



Achromatomaly

24.0119, 0.2907, 0.3749

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.8495, 0.2730, 0.4559 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, 171, 105)` looks like.

```
.text, #text, p{  
    color:rgb(51, 171, 105)  
}
```

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, 171, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 171, 105) }
```

Border

The CSS property to change the border of an element to Yxy 30.8495, 0.2730, 0.4559 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, 171, 105) }
```

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

```
.border{ border-color:rgb(51, 171, 105) }
```

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

Here you see how a box with a 4 pixel rgb(51, 171, 105) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 171, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 171, 105);  
box-shadow:4px 4px 4px 4px rgb(51, 171,  
105) }
```


Background

The CSS property to change the background color of an element to Yxy 30.8495, 0.2730, 0.4559 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 171, 105) }
```

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

```
.background{ background-color: rgb(51, 171,  
105) }
```

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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