

Converting Colors

$Yxy(33.5812, 0.2695, 0.4278)$

Have a look what the booklet for
Yxy(33.5812, 0.2695, 0.4278)
contains.

Yxy(33.5458, 0.2696, 0.4275)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(33.5458, 0.2696, 0.4275)

Conversions

Conversions Part 1

Format	Color
Hex	40B07A
RGB	64, 176, 122
RGB Percent	25%, 69%, 48%
CMY	0.7487, 0.3098, 0.5216
CMYK	0.64, 0.00, 0.31, 0.31
HSL	151°, 47%, 47%
HSV	151°, 64%, 69%
XYZ	21.1554, 33.5458, 23.7685
YIQ	136.3560, -49.4180, -40.5380

Conversions

Conversions Part 2

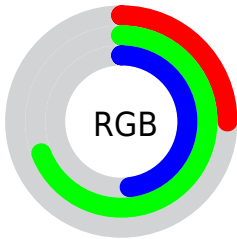
Format	Color
RYB	64, 138, 176
Decimal	4239482
CIELab	64.60, -44.40, 18.54
CIELCh	65, 48.117, 157.333
Yxy	33.5458, 0.2696, 0.4275
Android (android.graphics.Color)	4282429562 (0xFF40B07A)
YUV	136.3560, -7.0775, -63.4562
Hunter-Lab	57.9187, -36.1588, 16.2119

Details

The Yxy color **33.5458, 0.2696, 0.4275** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **14.2150, 0.4115, 0.2542**, and the grayscale version is **24.8096, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.0193, 0.2788, 0.4050**, and **14.4001, 0.2615, 0.4613** is the 20% darker color. If you saturate the color by 10%, you get **32.8452, 0.2674, 0.4463**, and if you desaturate by 10%, it is **34.4537, 0.2736, 0.4091**.

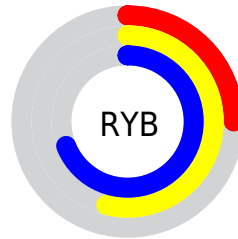
Distribution



Red (25%)

Green (69%)

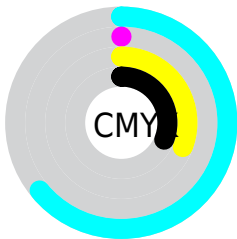
Blue (48%)



Red (25%)

Yellow (54%)

Blue (69%)

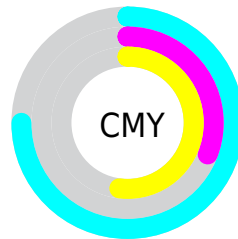


Cyan (64%)

Magenta (0%)

Yellow (31%)

Black (31%)



Cyan (75%)

Magenta (31%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.5458, 0.2696, 0.4275 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 33.5458, 0.2696, 0.4275 by changing the saturation by 10% instead.

 33.5458, 0.2696,
0.4275


 33.5458, 0.2696,
0.4275


318.1020, 0.2938,
0.3726


 22.5449, 0.2626,
0.4434


 65.2267, 0.2791,
0.4060


 14.2578, 0.2529,
0.4652


 86.6755, 0.2824,
0.3984


 8.3002, 0.2387,
0.4971

 112.3758, 0.2852,
0.3922

 4.2876, 0.2162,
0.5472

 142.7118, 0.2875,
0.3870

 1.8357, 0.1644,
0.6671

 178.0681, 0.2894,
0.3825

 0.5093, 0.0000,
1.0000

218.8289, 0.2911,

 0.0000, 0.0000,

0.3787

0.0000

265.3788, 0.2925,
0.3755

■ 33.5458, 0.2696,
0.4275

■ 33.5458, 0.2696,
0.4275

■ 32.8452, 0.2674,
0.4463

■ 34.4537, 0.2736,
0.4091

■ 32.3292, 0.2672,
0.4649

■ 35.5812, 0.2790,
0.3915

■ 31.9768, 0.2689,
0.4830

■ 36.9443, 0.2857,
0.3749

■ 31.8063, 0.2706,
0.4942

■ 38.5561, 0.2932,
0.3596

■ 40.4290, 0.3013,
0.3457

■ 42.5745, 0.3097,
0.3332

■ 45.0033, 0.3182,
0.3220

■ 47.7255, 0.3266,
0.3121

■ 50.7509, 0.3349,
0.3033

Harmonies

Analogous

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



33.5458, 0.3406, 0.4662



33.5458, 0.2696, 0.4275



33.5458, 0.2141, 0.3509

Triad

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



33.5458, 0.2696, 0.4275



33.5458, 0.2158, 0.2154



33.5458, 0.4583, 0.3525

Complementary

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



33.5458, 0.2696, 0.4275



14.2150, 0.4115, 0.2542

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.



33.5458, 0.4175, 0.2986



33.5458, 0.2696, 0.4275



33.5458, 0.2709, 0.2238

Square

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



33.5458, 0.2696, 0.4275



33.5458, 0.1872, 0.2321



33.5458, 0.3453, 0.2532



33.5458, 0.4527, 0.4075

Rectangle

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



33.5458, 0.2696, 0.4275



33.5458, 0.1922, 0.2997



33.5458, 0.3453, 0.2532



33.5458, 0.4497, 0.3340

Sweetspot

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



33.5472, 0.2696, 0.4275



71.3184, 0.2966, 0.3535



35.2843, 0.3439, 0.5067



15.2563, 0.2943, 0.3575



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.



33.5472, 0.2696, 0.4275



59.1849, 0.2671, 0.4533



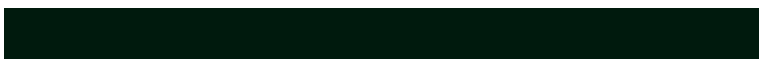
34.5502, 0.2368, 0.3257



9.5611, 0.3048, 0.3402



23.3495, 0.2701, 0.4924



0.7464, 0.2562, 0.4423

Inverse Universe

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



14.2150, 0.4115, 0.2542



21.3516, 0.4454, 0.2469



13.4903, 0.5113, 0.3320



8.5713, 0.3214, 0.3181



7.2644, 0.5002, 0.2529



0.2404, 0.4375, 0.2184

Previews

White Background



This preview shows how the Yxy color 33.5458, 0.2696, 0.4275 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 33.5458, 0.2696, 0.4275 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

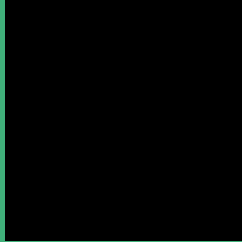
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.5458, 0.2696, 0.4275

Background



This preview shows how black text looks on a background with the Yxy color 33.5458, 0.2696, 0.4275.



This preview shows how white text looks on a background with the Yxy color 33.5458, 0.2696, 0.4275.

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

33.5458, 0.2696, 0.4275

Protanopia

32.8504, 0.3654, 0.3918

Deuteranopia

32.7567, 0.3669, 0.3592



Tritanopia

33.3140, 0.2407, 0.3062

Trichromacy



Original Color

33.5458, 0.2696, 0.4275



Protanomaly

32.2012, 0.3220, 0.4073



Deuteranomaly

31.7059, 0.3218, 0.3829



Tritanomaly

33.2417, 0.2507, 0.3476

Monochromacy



Original Color

33.5458, 0.2696, 0.4275



Achromatopsia

24.6201, 0.3127, 0.3290



Achromatomaly

27.0869, 0.2909, 0.3648

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.5458, 0.2696, 0.4275 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(64, 176, 122)` looks like.

```
.text, #text, p{  
    color:rgb(64, 176, 122)  
}
```

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(64, 176, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 176, 122) }
```

Border

The CSS property to change the border of an element to Yxy 33.5458, 0.2696, 0.4275 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(64, 176, 122) }
```

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

```
.border{ border-color:rgb(64, 176, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 176, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 176, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 176, 122);  
box-shadow:4px 4px 4px 4px rgb(64, 176,  
122) }
```


Background

The CSS property to change the background color of an element to Yxy 33.5458, 0.2696, 0.4275 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 176, 122) }
```

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

```
.background{ background-color: rgb(64, 176,  
122) }
```

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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