

Converting Colors

$Yxy(33.3728, 0.2615, 0.3686)$

Have a look what the booklet for
Yxy(33.3728, 0.2615, 0.3686)
contains.

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Color

Yxy(33.5140, 0.2612, 0.3687)

Conversions

Conversions Part 1

Format	Color
Hex	53AC95
RGB	83, 172, 149
RGB Percent	33%, 67%, 58%
CMY	0.6745, 0.3255, 0.4158
CMYK	0.52, 0.00, 0.13, 0.33
HSL	164°, 35%, 50%
HSV	164°, 52%, 67%
XYZ	23.7425, 33.5140, 33.6413
YIQ	142.7670, -45.6610, -26.0210

Conversions

Conversions Part 2

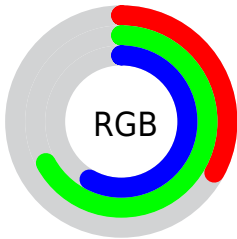
Format	Color
RYB	83, 134, 172
Decimal	5483669
CIELab	64.57, -32.41, 3.71
CIELCh	65, 32.623, 173.461
Yxy	33.5140, 0.2612, 0.3687
Android (android.graphics.Color)	4283673749 (0xFF53AC95)
YUV	142.7670, 3.0729, -52.4157
Hunter-Lab	57.8913, -28.1029, 6.0698

Details

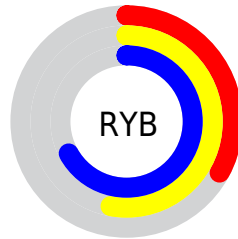
The Yxy color **33.5140, 0.2612, 0.3687** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **15.9980, 0.4187, 0.2949**, and the grayscale version is **27.3710, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.2876, 0.2717, 0.3608**, and **14.2139, 0.2444, 0.3831** is the 20% darker color. If you saturate the color by 10%, you get **32.6883, 0.2551, 0.3779**, and if you desaturate by 10%, it is **34.5419, 0.2690, 0.3599**.

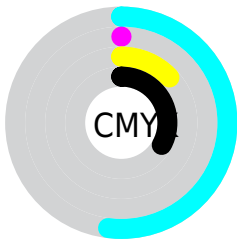
Distribution



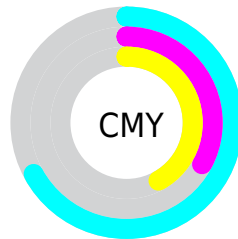
- Red (33%)
- Green (67%)
- Blue (58%)



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



- Cyan (52%)
- Magenta (0%)
- Yellow (13%)
- Black (33%)





- Cyan (67%)
- Magenta (33%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.5140, 0.2612, 0.3687 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 33.5140, 0.2612, 0.3687 by changing the saturation by 10% instead.


 33.5140, 0.2612,
0.3687


 33.5140, 0.2612,
0.3687


317.9595, 0.2884,
0.3474

 22.5205, 0.2539,
0.3745


 65.1772, 0.2715,
0.3606

 14.2398, 0.2442,
0.3824


 86.6156, 0.2752,
0.3577

 8.2877, 0.2307,
0.3934

 112.3046, 0.2783,
0.3552

 4.2796, 0.2108,
0.4101

 142.6283, 0.2810,
0.3532

 1.8311, 0.1778,
0.4386

177.9713, 0.2832,
0.3514

 0.5065, 0.0000,
0.6345

218.7179, 0.2852,

 0.0000, 0.0000,

0.3499

0.0000

265.2525, 0.2869,
0.3486

■ 33.5140, 0.2612,
0.3687

■ 33.5140, 0.2612,
0.3687

■ 32.6883, 0.2551,
0.3779

■ 34.5419, 0.2690,
0.3599

■ 32.0460, 0.2507,
0.3874

■ 35.7811, 0.2781,
0.3515

■ 31.5718, 0.2483,
0.3970

■ 37.2451, 0.2882,
0.3437

■ 31.2458, 0.2478,
0.4066

■ 38.9450, 0.2992,
0.3366

■ 31.0529, 0.2484,
0.4144

■ 40.8910, 0.3107,
0.3301

■ 43.0931, 0.3224,
0.3242

■ 45.5604, 0.3343,
0.3190

■ 48.3016, 0.3460,
0.3144

■ 51.3251, 0.3575,
0.3103

Harmonies

Analogous

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



33.5140, 0.3073, 0.4091



33.5140, 0.2612, 0.3687



33.5140, 0.2303, 0.3176

Triad

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



33.5140, 0.2612, 0.3687



33.5140, 0.2642, 0.2490



33.5140, 0.4144, 0.3703

Complementary

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



33.5140, 0.2612, 0.3687



15.9980, 0.4187, 0.2949

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.



33.5140, 0.4021, 0.3301



33.5140, 0.2612, 0.3687



33.5140, 0.3116, 0.2635

Square

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



33.5140, 0.2612, 0.3687



33.5140, 0.2322, 0.2523



33.5140, 0.3631, 0.2923



33.5140, 0.3970, 0.4045

Rectangle

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



33.5140, 0.2612, 0.3687



33.5140, 0.2213, 0.2877



33.5140, 0.3631, 0.2923



33.5140, 0.4137, 0.3571

Sweetspot

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



33.5153, 0.2612, 0.3687



69.1931, 0.2941, 0.3397



33.2410, 0.3238, 0.4817



14.9056, 0.2920, 0.3412



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.



33.5153, 0.2612, 0.3687



59.1190, 0.2544, 0.3792



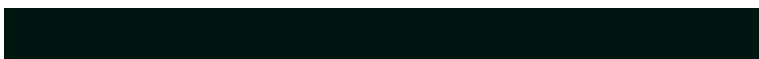
27.0270, 0.2398, 0.2930



9.0362, 0.3020, 0.3349



23.1159, 0.2482, 0.4134



0.6513, 0.2402, 0.3847

Inverse Universe

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



15.9980, 0.4187, 0.2949



23.8382, 0.4573, 0.2899



19.2488, 0.4400, 0.3604



8.0481, 0.3247, 0.3232



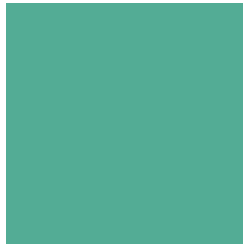
6.6728, 0.5864, 0.3004



0.1946, 0.5015, 0.2537

Previews

White Background



This preview shows how the Yxy color 33.5140, 0.2612, 0.3687 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 33.5140, 0.2612, 0.3687 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 33.5140, 0.2612, 0.3687

Background



This preview shows how black text looks on a background with the Yxy color 33.5140, 0.2612, 0.3687.



This preview shows how white text looks on a background with the Yxy color 33.5140, 0.2612, 0.3687.

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

33.5140, 0.2612, 0.3687

Protanopia

33.0175, 0.3339, 0.3516

Deuteranopia

33.1242, 0.3303, 0.3247



Tritanopia

33.3008, 0.2454, 0.3063

Trichromacy



Original Color

33.5140, 0.2612, 0.3687

Protanomaly

32.4595, 0.3020, 0.3581

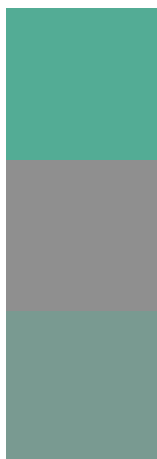
Deuteranomaly

32.5522, 0.2999, 0.3400

Tritanomaly

33.3644, 0.2510, 0.3288

Monochromacy



Original Color

33.5140, 0.2612, 0.3687

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

29.2205, 0.2892, 0.3441

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.5140, 0.2612, 0.3687 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(83, 172, 149)` looks like.

```
.text, #text, p{  
  color:rgb(83, 172, 149)  
}
```

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(83, 172, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 172, 149) }
```

Border

The CSS property to change the border of an element to Yxy 33.5140, 0.2612, 0.3687 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(83, 172, 149) }
```

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

```
.border{ border-color:rgb(83, 172, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 172, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 172, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 172, 149);  
box-shadow:4px 4px 4px 4px rgb(83, 172,  
149) }
```


Background

The CSS property to change the background color of an element to Yxy 33.5140, 0.2612, 0.3687 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 172, 149) }
```

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

```
.background{ background-color: rgb(83, 172,  
149) }
```

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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