

Converting Colors

$Yxy(33.9506, 0.2567, 0.3923)$

Have a look what the booklet for
Yxy(33.9506, 0.2567, 0.3923)
contains.

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Color

Yxy(33.9362, 0.2570, 0.3932)

Conversions

Conversions Part 1

Format	Color
Hex	3DB08C
RGB	61, 176, 140
RGB Percent	24%, 69%, 55%
CMY	0.7609, 0.3098, 0.4510
CMYK	0.65, 0.00, 0.20, 0.31
HSL	161°, 49%, 46%
HSV	161°, 65%, 69%
XYZ	22.1811, 33.9362, 30.1904
YIQ	137.5110, -56.9840, -35.5760

Conversions

Conversions Part 2

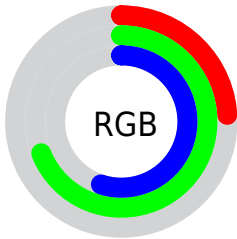
Format	Color
RYB	61, 129, 176
Decimal	4042892
CIELab	64.91, -40.92, 9.09
CIElCh	65, 41.920, 167.481
Yxy	33.9362, 0.2570, 0.3932
Android (android.graphics.Color)	4282232972 (0xFF3DB08C)
YUV	137.5110, 1.2271, -67.1001
Hunter-Lab	58.2548, -33.9802, 10.0514

Details

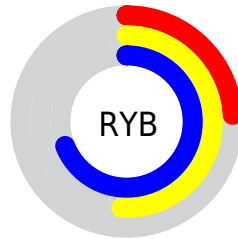
The Yxy color **33.9362, 0.2570, 0.3932** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **13.4265, 0.4536, 0.2803**, and the grayscale version is **25.2276, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.6732, 0.2680, 0.3787**, and **14.9041, 0.2486, 0.4150** is the 20% darker color. If you saturate the color by 10%, you get **33.3096, 0.2538, 0.4050**, and if you desaturate by 10%, it is **34.7568, 0.2621, 0.3817**.

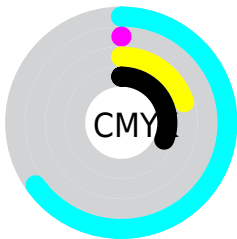
Distribution



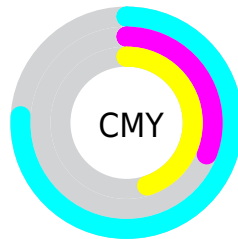
- Red (24%)
- Green (69%)
- Blue (55%)



- Red (24%)
- Yellow (51%)
- Blue (69%)



- Cyan (65%)
- Magenta (0%)
- Yellow (20%)
- Black (31%)



- Cyan (76%)
- Magenta (31%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.9362, 0.2570, 0.3932 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 33.9362, 0.2570, 0.3932 by changing the saturation by 10% instead.


 33.9362, 0.2570,
0.3932


 33.9362, 0.2570,
0.3932


319.8475, 0.2868,
0.3582


 22.8446, 0.2489,
0.4030


 65.8344, 0.2683,
0.3797

 14.4788, 0.2380,
0.4164


 87.4099, 0.2724,
0.3749

 8.4544, 0.2229,
0.4355

 113.2487, 0.2758,
0.3709

 4.3871, 0.2002,
0.4650

 143.7353, 0.2787,
0.3675

 1.8924, 0.1567,
0.5201

 179.2541, 0.2812,
0.3647

 0.5438, 0.0000,
1.0000

220.1894, 0.2833,

 0.0000, 0.0000,

0.3622

0.0000

266.9258, 0.2852,
0.3601

■ 33.9362, 0.2570,
0.3932

■ 33.9362, 0.2570,
0.3932

■ 33.3096, 0.2538,
0.4050

■ 34.7568, 0.2621,
0.3817

■ 32.8542, 0.2526,
0.4168

■ 35.7837, 0.2688,
0.3706

■ 32.5479, 0.2533,
0.4286

■ 37.0329, 0.2769,
0.3601

■ 32.4318, 0.2539,
0.4340

■ 38.5174, 0.2862,
0.3503

■ 40.2495, 0.2963,
0.3413

■ 42.2405, 0.3069,
0.3331

■ 44.5008, 0.3178,
0.3257

■ 47.0407, 0.3288,
0.3191

■ 49.8694, 0.3398,
0.3132

Harmonies

Analogous

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



33.9362, 0.3169, 0.4404



33.9362, 0.2570, 0.3932



33.9362, 0.2148, 0.3257

Triad

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



33.9362, 0.2570, 0.3932



33.9362, 0.2416, 0.2285



33.9362, 0.4425, 0.3683

Complementary

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



33.9362, 0.2570, 0.3932



13.4265, 0.4536, 0.2803

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.



33.9362, 0.4197, 0.3189



33.9362, 0.2570, 0.3932



33.9362, 0.2974, 0.2426

Square

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



33.9362, 0.2570, 0.3932



33.9362, 0.2074, 0.2362



33.9362, 0.3641, 0.2746



33.9362, 0.4259, 0.4148

Rectangle

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



33.9362, 0.2570, 0.3932



33.9362, 0.2007, 0.2853



33.9362, 0.3641, 0.2746



33.9362, 0.4393, 0.3517

Sweetspot

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



33.9375, 0.2570, 0.3932



71.3699, 0.2911, 0.3457



33.9528, 0.3276, 0.5213



15.2842, 0.2884, 0.3482



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.



33.9375, 0.2570, 0.3932



60.0417, 0.2531, 0.4097



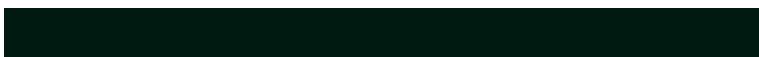
27.5400, 0.2277, 0.2921



9.5854, 0.3026, 0.3362



23.8047, 0.2536, 0.4328



0.7589, 0.2445, 0.4002

Inverse Universe

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



13.4265, 0.4536, 0.2803



20.1152, 0.5028, 0.2789



15.6097, 0.4987, 0.3576



8.5476, 0.3240, 0.3219



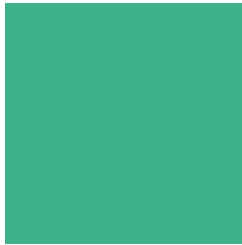
6.9848, 0.5680, 0.2902



0.2306, 0.4877, 0.2460

Previews

White Background



This preview shows how the Yxy color 33.9362, 0.2570, 0.3932 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 33.9362, 0.2570, 0.3932 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

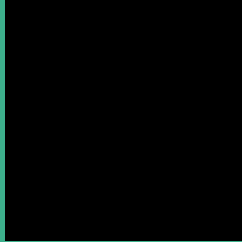
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.9362, 0.2570, 0.3932

Background



This preview shows how black text looks on a background with the Yxy color 33.9362, 0.2570, 0.3932.



This preview shows how white text looks on a background with the Yxy color 33.9362, 0.2570, 0.3932.

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

33.9362, 0.2570, 0.3932

Protanopia

33.3880, 0.3465, 0.3680

Deuteranopia

33.2915, 0.3435, 0.3377



Tritanopia

33.8724, 0.2373, 0.3062

Trichromacy



Original Color

33.9362, 0.2570, 0.3932



Protanomaly

32.4276, 0.3040, 0.3770



Deuteranomaly

32.1931, 0.3030, 0.3565



Tritanomaly

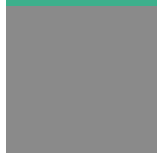
33.7099, 0.2438, 0.3355

Monochromacy



Original Color

33.9362, 0.2570, 0.3932



Achromatopsia

25.4152, 0.3127, 0.3290



Achromatomaly

27.6355, 0.2842, 0.3519

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.9362, 0.2570, 0.3932 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(61, 176, 140)` looks like.

```
.text, #text, p{  
    color:rgb(61, 176, 140)  
}
```

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(61, 176, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 176, 140) }
```

Border

The CSS property to change the border of an element to Yxy 33.9362, 0.2570, 0.3932 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(61, 176, 140) }
```

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

```
.border{ border-color:rgb(61, 176, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 176, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 176, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 176, 140);  
box-shadow:4px 4px 4px 4px rgb(61, 176,  
140) }
```


Background

The CSS property to change the background color of an element to Yxy 33.9362, 0.2570, 0.3932 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 176, 140) }
```

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

```
.background{ background-color: rgb(61, 176,  
140) }
```

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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