

Converting Colors

$Y_{xy}(33.5050, 0.2624, 0.3445)$

Have a look what the booklet for
Yxy(33.5050, 0.2624, 0.3445)
contains.

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Color

Yxy(33.5107, 0.2624, 0.3438)

Conversions

Conversions Part 1

Format	Color
Hex	62A9A0
RGB	98, 169, 160
RGB Percent	38%, 66%, 63%
CMY	0.6154, 0.3373, 0.3725
CMYK	0.42, 0.00, 0.05, 0.34
HSL	172°, 29%, 52%
HSV	172°, 42%, 66%
XYZ	25.5765, 33.5107, 38.3843
YIQ	146.7450, -39.4270, -17.8510

Conversions

Conversions Part 2

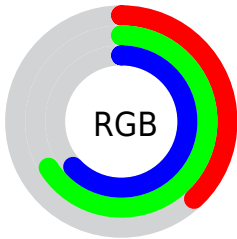
Format	Color
RYB	98, 136, 169
Decimal	6465952
CIELab	64.57, -24.49, -2.37
CIELCh	65, 24.605, 185.520
Yxy	33.5107, 0.2624, 0.3438
Android (android.graphics.Color)	4284656032 (0xFF62A9A0)
YUV	146.7450, 6.5347, -42.7494
Hunter-Lab	57.8884, -22.4391, 1.2083

Details

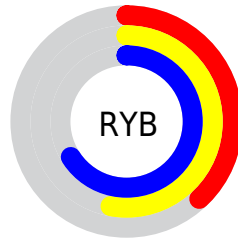
The Yxy color **33.5107, 0.2624, 0.3438** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **18.2451, 0.4044, 0.3154**, and the grayscale version is **29.0588, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.4321, 0.2719, 0.3412**, and **14.3622, 0.2464, 0.3484** is the 20% darker color. If you saturate the color by 10%, you get **32.5941, 0.2536, 0.3479**, and if you desaturate by 10%, it is **34.6297, 0.2727, 0.3399**.

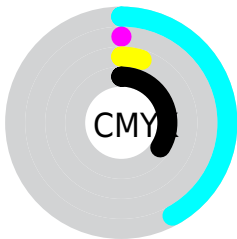
Distribution



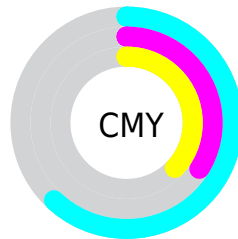
- Red (38%)
- Green (66%)
- Blue (63%)



- Red (38%)
- Yellow (53%)
- Blue (66%)



- Cyan (42%)
- Magenta (0%)
- Yellow (5%)
- Black (34%)





- Cyan (62%)
- Magenta (34%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.5107, 0.2624, 0.3438 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 33.5107, 0.2624, 0.3438 by changing the saturation by 10% instead.


 33.5107, 0.2624,
0.3438

 33.5107, 0.2624,
0.3438


317.9447, 0.2887,
0.3363

 22.5180, 0.2554,
0.3457


 65.1720, 0.2722,
0.3410


 14.2380, 0.2463,
0.3482


 86.6094, 0.2759,
0.3400

 8.2864, 0.2337,
0.3515


 112.2972, 0.2789,
0.3391

 4.2787, 0.2153,
0.3562

 142.6196, 0.2814,
0.3384

 1.8307, 0.1862,
0.3630

177.9612, 0.2836,
0.3377

 0.5062, 0.0000,
0.4140

218.7063, 0.2856,

 0.0000, 0.0000,

0.3372

0.0000

265.2394, 0.2872,
0.3367

■ 33.5107, 0.2624,
0.3438

■ 33.5107, 0.2624,
0.3438

■ 32.5941, 0.2536,
0.3479

■ 34.6297, 0.2727,
0.3399

■ 31.8634, 0.2465,
0.3522

■ 35.9587, 0.2843,
0.3362

■ 31.3058, 0.2412,
0.3565


■ 37.5096, 0.2968,
0.3327


■ 30.9054, 0.2378,
0.3609


■ 39.2924, 0.3101,
0.3296

■ 30.6430, 0.2362,
0.3653

■ 41.3162, 0.3237,
0.3267

 30.4984, 0.2358,
0.3687

 43.5900, 0.3376,
0.3242

 46.1220, 0.3514,
0.3219

 48.9203, 0.3651,
0.3199

 51.9923, 0.3784,
0.3182

Harmonies

Analogous

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



33.5107, 0.2943, 0.3781



33.5107, 0.2624, 0.3438



33.5107, 0.2443, 0.3071

Triad

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



33.5107, 0.2624, 0.3438



33.5107, 0.2896, 0.2700



33.5107, 0.3869, 0.3732

Complementary

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



33.5107, 0.2624, 0.3438



18.2451, 0.4044, 0.3154

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.



33.5107, 0.3864, 0.3436



33.5107, 0.2624, 0.3438



33.5107, 0.3282, 0.2863

Square

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



33.5107, 0.2624, 0.3438



33.5107, 0.2592, 0.2672



33.5107, 0.3644, 0.3125



33.5107, 0.3666, 0.3938

Rectangle

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



33.5107, 0.2624, 0.3438



33.5107, 0.2416, 0.2874



33.5107, 0.3644, 0.3125



33.5107, 0.3892, 0.3639

Sweetspot

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



33.5120, 0.2624, 0.3438



66.8109, 0.2952, 0.3332



32.4146, 0.3146, 0.4529



14.4279, 0.2925, 0.3339



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



33.5120, 0.2624, 0.3438



58.5405, 0.2544, 0.3475



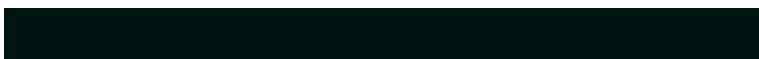
25.1059, 0.2493, 0.2842



8.5155, 0.3003, 0.3319



22.7382, 0.2356, 0.3683



0.5576, 0.2317, 0.3539

Inverse Universe

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



18.2451, 0.4044, 0.3154



27.6265, 0.4355, 0.3129



23.7513, 0.4008, 0.3692



7.5572, 0.3266, 0.3262



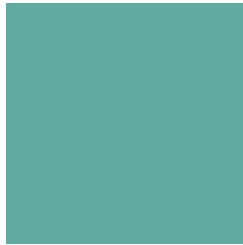
6.3326, 0.6211, 0.3195



0.1586, 0.5572, 0.2843

Previews

White Background



This preview shows how the Yxy color 33.5107, 0.2624, 0.3438 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 33.5107, 0.2624, 0.3438 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

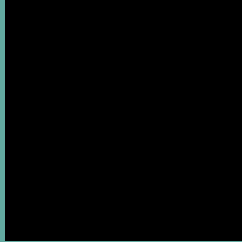
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.5107, 0.2624, 0.3438

Background



This preview shows how black text looks on a background with the Yxy color 33.5107, 0.2624, 0.3438.

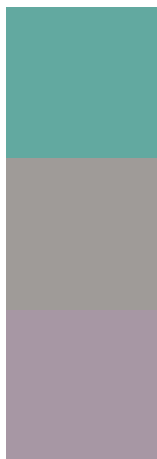


This preview shows how white text looks on a background with the Yxy color 33.5107, 0.2624, 0.3438.

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

33.5107, 0.2624, 0.3438

Protanopia

33.0806, 0.3195, 0.3335

Deuteranopia

33.0290, 0.3166, 0.3103



Tritanopia

33.4107, 0.2524, 0.3081

Trichromacy



Original Color

33.5107, 0.2624, 0.3438

Protanomaly

32.8265, 0.2955, 0.3368

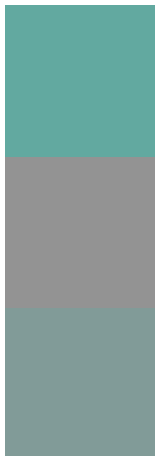
Deuteranomaly

32.8488, 0.2933, 0.3213

Tritanomaly

33.3827, 0.2559, 0.3207

Monochromacy



Original Color

33.5107, 0.2624, 0.3438

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

30.3768, 0.2906, 0.3338

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.5107, 0.2624, 0.3438 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(98, 169, 160)` looks like.

```
.text, #text, p{  
    color:rgb(98, 169, 160)  
}
```

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(98, 169, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 169, 160) }
```

Border

The CSS property to change the border of an element to Yxy 33.5107, 0.2624, 0.3438 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(98, 169, 160) }
```

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

```
.border{ border-color:rgb(98, 169, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 169, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 169, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 169, 160);  
box-shadow:4px 4px 4px 4px rgb(98, 169,  
160) }
```


Background

The CSS property to change the background color of an element to Yxy 33.5107, 0.2624, 0.3438 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 169, 160) }
```

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

```
.background{ background-color: rgb(98, 169,  
160) }
```

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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