

Converting Colors

$Y_{xy}(33.2679, 0.2486, 0.3391)$

Have a look what the booklet for
Yxy(33.2679, 0.2486, 0.3391)
contains.

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Color

$\text{Yxy}(33.0921, 0.2489, 0.3390)$

Conversions

Conversions Part 1

Format	Color
Hex	4FAAA4
RGB	79, 170, 164
RGB Percent	31%, 67%, 64%
CMY	0.6904, 0.3333, 0.3569
CMYK	0.54, 0.00, 0.04, 0.33
HSL	176°, 37%, 49%
HSV	176°, 54%, 67%
XYZ	24.2968, 33.0921, 40.2279
YIQ	142.1070, -52.3100, -21.1580

Conversions

Conversions Part 2

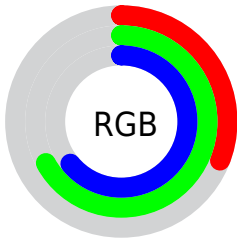
Format	Color
RYB	79, 126, 170
Decimal	5221028
CIELab	64.24, -28.52, -5.17
CIELCh	64, 28.981, 190.285
Yxy	33.0921, 0.2489, 0.3390
Android (android.graphics.Color)	4283411108 (0xFF4FAAA4)
YUV	142.1070, 10.7932, -55.3448
Hunter-Lab	57.5257, -25.2780, -1.1936

Details

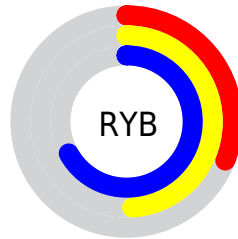
The Yxy color **33.0921, 0.2489, 0.3390** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **14.7877, 0.4554, 0.3206**, and the grayscale version is **27.0628, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.7414, 0.2615, 0.3376**, and **13.9182, 0.2289, 0.3413** is the 20% darker color. If you saturate the color by 10%, you get **32.4153, 0.2416, 0.3412**, and if you desaturate by 10%, it is **33.9582, 0.2579, 0.3369**.

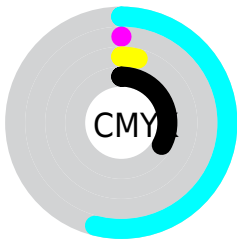
Distribution



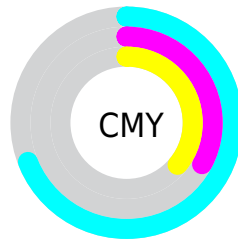
- Red (31%)
- Green (67%)
- Blue (64%)



- Red (31%)
- Yellow (49%)
- Blue (67%)



- Cyan (54%)
- Magenta (0%)
- Yellow (4%)
- Black (33%)





- Cyan (69%)
- Magenta (33%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.0921, 0.2489, 0.3390 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 33.0921, 0.2489, 0.3390 by changing the saturation by 10% instead.

 33.0921, 0.2489,
0.3390


 33.0921, 0.2489,
0.3390


316.0645, 0.2821,
0.3343

 22.1970, 0.2402,
0.3400


 64.5193, 0.2613,
0.3374


 14.0017, 0.2288,
0.3413


 85.8202, 0.2658,
0.3367


 8.1219, 0.2132,
0.3427


 111.3585, 0.2696,
0.3362

 4.1730, 0.1908,
0.3442

 141.5185, 0.2729,
0.3357

 1.7708, 0.1562,
0.3449

 176.6848, 0.2757,
0.3353

 0.4689, 0.0000,
0.3496

217.2416, 0.2781,

 0.0000, 0.0000,

0.3349

0.0000

263.5734, 0.2802,
0.3346

■ 33.0921, 0.2489,
0.3390

■ 33.0921, 0.2489,
0.3390

■ 32.4153, 0.2416,
0.3412

■ 33.9582, 0.2579,
0.3369

■ 31.9095, 0.2363,
0.3433

■ 35.0227, 0.2686,
0.3349

■ 31.5593, 0.2327,
0.3455

■ 36.2987, 0.2806,
0.3330

■ 31.3446, 0.2309,
0.3477

■ 37.7973, 0.2937,
0.3312

■ 31.2486, 0.2303,
0.3491

■ 39.5284, 0.3076,
0.3295

■ 41.5017, 0.3221,
0.3281

■ 43.7261, 0.3369,
0.3267

■ 46.2102, 0.3517,
0.3255

■ 48.9620, 0.3665,
0.3245

Harmonies

Analogous

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



33.0921, 0.2839, 0.3822



33.0921, 0.2489, 0.3390



33.0921, 0.2311, 0.2964

Triad

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



33.0921, 0.2489, 0.3390



33.0921, 0.2921, 0.2623



33.0921, 0.3980, 0.3851

Complementary

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



33.0921, 0.2489, 0.3390



14.7877, 0.4554, 0.3206

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.



33.0921, 0.4019, 0.3511



33.0921, 0.2489, 0.3390



33.0921, 0.3381, 0.2833

Square

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



33.0921, 0.2489, 0.3390



33.0921, 0.2545, 0.2561



33.0921, 0.3795, 0.3148



33.0921, 0.3703, 0.4076

Rectangle

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



33.0921, 0.2489, 0.3390



33.0921, 0.2302, 0.2751



33.0921, 0.3795, 0.3148



33.0921, 0.4022, 0.3745

Sweetspot

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



33.0934, 0.2489, 0.3390



67.7876, 0.2900, 0.3317



31.2491, 0.3092, 0.4947



14.9938, 0.2874, 0.3320



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.



33.0934, 0.2489, 0.3390



58.6402, 0.2407, 0.3415



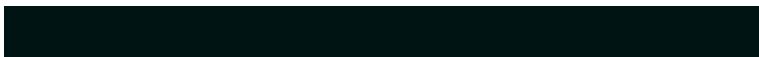
20.6754, 0.2309, 0.2576



8.5234, 0.2995, 0.3305



22.9874, 0.2302, 0.3489



0.5617, 0.2282, 0.3417

Inverse Universe

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



14.7877, 0.4554, 0.3206



21.9489, 0.5065, 0.3199



22.1648, 0.4297, 0.3885



7.5500, 0.3276, 0.3275



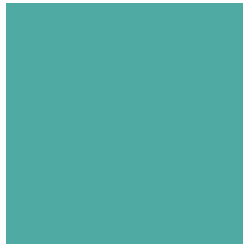
6.3080, 0.6311, 0.3250



0.1559, 0.5931, 0.3041

Previews

White Background



This preview shows how the Yxy color 33.0921, 0.2489, 0.3390 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 33.0921, 0.2489, 0.3390 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

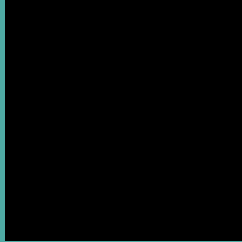
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.0921, 0.2489, 0.3390

Background



This preview shows how black text looks on a background with the Yxy color 33.0921, 0.2489, 0.3390.

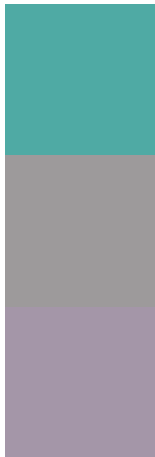


This preview shows how white text looks on a background with the Yxy color 33.0921, 0.2489, 0.3390.

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

33.0921, 0.2489, 0.3390

Protanopia

32.6459, 0.3148, 0.3275

Deuteranopia

32.5324, 0.3099, 0.3029



Tritanopia

32.9049, 0.2410, 0.3061

Trichromacy



Original Color

33.0921, 0.2489, 0.3390

Protanomaly

32.2774, 0.2860, 0.3321

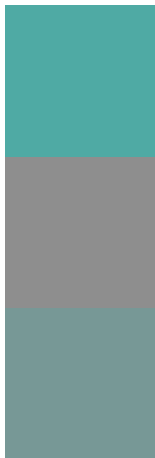
Deuteranomaly

31.8905, 0.2820, 0.3133

Tritanomaly

32.9394, 0.2437, 0.3172

Monochromacy



Original Color

33.0921, 0.2489, 0.3390

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

28.5804, 0.2830, 0.3323

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.0921, 0.2489, 0.3390 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(79, 170, 164)` looks like.

```
.text, #text, p{  
    color:rgb(79, 170, 164)  
}
```

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(79, 170, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 170, 164) }
```

Border

The CSS property to change the border of an element to Yxy 33.0921, 0.2489, 0.3390 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(79, 170, 164) }
```

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

```
.border{ border-color:rgb(79, 170, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 170, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 170, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 170, 164);  
box-shadow:4px 4px 4px 4px rgb(79, 170,  
164) }
```


Background

The CSS property to change the background color of an element to Yxy 33.0921, 0.2489, 0.3390 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 170, 164) }
```

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

```
.background{ background-color: rgb(79, 170,  
164) }
```

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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