

Converting Colors

$Yxy(35.9171, 0.2457, 0.3888)$

Have a look what the booklet for
Yxy(35.9171, 0.2457, 0.3888)
contains.

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Color

Yxy(35.9173, 0.2458, 0.3888)

Conversions

Conversions Part 1

Format	Color
Hex	21B694
RGB	33, 182, 148
RGB Percent	13%, 71%, 58%
CMY	0.8695, 0.2863, 0.4196
CMYK	0.82, 0.00, 0.19, 0.29
HSL	166°, 69%, 42%
HSV	166°, 82%, 71%
XYZ	22.7070, 35.9173, 33.7556
YIQ	133.5730, -77.8900, -42.1620

Conversions

Conversions Part 2

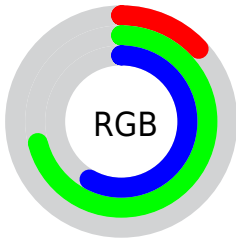
Format	Color
RYB	33, 117, 182
Decimal	2209428
CIELab	66.46, -45.17, 6.81
CIELCh	66, 45.678, 171.431
Yxy	35.9173, 0.2458, 0.3888
Android (android.graphics.Color)	4280399508 (0xFF21B694)
YUV	133.5730, 7.1125, -88.2025
Hunter-Lab	59.9310, -37.2483, 8.5572

Details

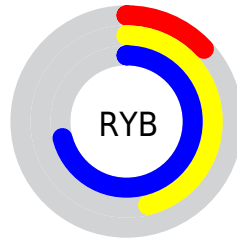
The Yxy color **35.9173, 0.2458, 0.3888** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **11.4549, 0.5380, 0.2954**, and the grayscale version is **23.6993, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.0614, 0.2591, 0.3769**, and **16.3014, 0.2462, 0.4064** is the 20% darker color. If you saturate the color by 10%, you get **35.5637, 0.2451, 0.3972**, and if you desaturate by 10%, it is **36.4410, 0.2484, 0.3804**.

Distribution



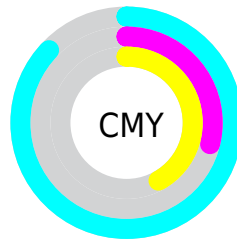
- Red (13%)
- Green (71%)
- Blue (58%)



- Red (13%)
- Yellow (46%)
- Blue (71%)



- Cyan (82%)
- Magenta (0%)
- Yellow (19%)
- Black (29%)





- Cyan (87%)
- Magenta (29%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.9173, 0.2458, 0.3888 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 35.9173, 0.2458, 0.3888 by changing the saturation by 10% instead.


 35.9173, 0.2458,
0.3888


 35.9173, 0.2458,
0.3888


328.5989, 0.2809,
0.3567

 24.3703, 0.2365,
0.3976


 68.9044, 0.2590,
0.3766


 15.6086, 0.2243,
0.4093


 91.1133, 0.2638,
0.3722

 9.2476, 0.2074,
0.4259


 117.6450, 0.2678,
0.3685

 4.9030, 0.1830,
0.4507

 148.8839, 0.2712,
0.3654

 2.1905, 0.1418,
0.4938

 185.2143, 0.2742,
0.3628

 0.7148, 0.0000,
0.7027

227.0207, 0.2767,

 0.0000, 0.0000,

0.3605

0.0000

274.6874, 0.2790,
0.3585

■ 35.9173, 0.2458,
0.3888

■ 35.9173, 0.2458,
0.3888

■ 35.5637, 0.2451,
0.3972

■ 36.4410, 0.2484,
0.3804

■ 35.3580, 0.2456,
0.4041

■ 37.1536, 0.2529,
0.3721

■ 38.0757, 0.2593,
0.3640

■ 39.2242, 0.2673,
0.3562

■ 40.6143, 0.2768,
0.3489

■ 42.2598, 0.2873,
0.3420

■ 44.1735, 0.2987,
0.3357

■ 46.3671, 0.3106,
0.3299

■ 48.8520, 0.3229,
0.3247

Harmonies

Analogous

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



35.9173, 0.3076, 0.4447



35.9173, 0.2458, 0.3888



35.9173, 0.2047, 0.3157

Triad

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



35.9173, 0.2458, 0.3888



35.9173, 0.2436, 0.2233



35.9173, 0.4511, 0.3767

Complementary

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



35.9173, 0.2458, 0.3888



11.4549, 0.5380, 0.2954

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.



35.9173, 0.4328, 0.3244



35.9173, 0.2458, 0.3888



35.9173, 0.3053, 0.2410

Square

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



35.9173, 0.2458, 0.3888



35.9173, 0.2044, 0.2279



35.9173, 0.3766, 0.2767



35.9173, 0.4278, 0.4252

Rectangle

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



35.9173, 0.2458, 0.3888



35.9173, 0.1925, 0.2745



35.9173, 0.3766, 0.2767



35.9173, 0.4499, 0.3592

Sweetspot

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



35.9187, 0.2458, 0.3888



75.4643, 0.2833, 0.3445



34.7917, 0.3161, 0.5673



16.4386, 0.2796, 0.3469



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



35.9187, 0.2458, 0.3888



64.1485, 0.2457, 0.4037



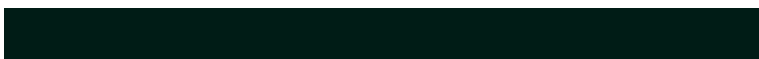
23.1497, 0.2096, 0.2581



10.1746, 0.3015, 0.3343



24.9824, 0.2453, 0.4031



0.8894, 0.2394, 0.3816

Inverse Universe

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



11.4549, 0.5380, 0.2954



18.4373, 0.5976, 0.3079



14.8108, 0.5498, 0.3710



9.0449, 0.3253, 0.3238



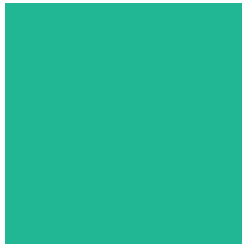
7.1477, 0.5965, 0.3060



0.2616, 0.5235, 0.2658

Previews

White Background



This preview shows how the Yxy color 35.9173, 0.2458, 0.3888 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 35.9173, 0.2458, 0.3888 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

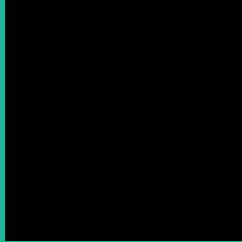
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.9173, 0.2458, 0.3888

Background



This preview shows how black text looks on a background with the Yxy color 35.9173, 0.2458, 0.3888.

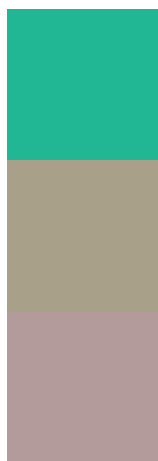


This preview shows how white text looks on a background with the Yxy color 35.9173, 0.2458, 0.3888.

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

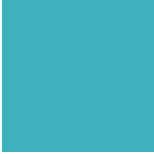
35.9173, 0.2458, 0.3888

Protanopia

35.3828, 0.3428, 0.3627

Deuteranopia

35.2408, 0.3368, 0.3305



Tritanopia

35.7925, 0.2295, 0.3064

Trichromacy



Original Color

35.9173, 0.2458, 0.3888



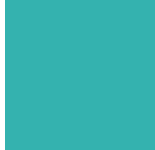
Protanomaly

33.9214, 0.2924, 0.3735



Deuteranomaly

33.5372, 0.2878, 0.3499



Tritanomaly

35.6660, 0.2346, 0.3338

Monochromacy



Original Color

35.9173, 0.2458, 0.3888



Achromatopsia

23.8398, 0.3127, 0.3290



Achromatomaly

26.5387, 0.2730, 0.3508

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.9173, 0.2458, 0.3888 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(33, 182, 148)` looks like.

```
.text, #text, p{  
    color:rgb(33, 182, 148)  
}
```

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(33, 182, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 182, 148) }
```

Border

The CSS property to change the border of an element to Yxy 35.9173, 0.2458, 0.3888 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(33, 182, 148) }
```

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

```
.border{ border-color:rgb(33, 182, 148) }
```

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

Here you see how a box with a 4 pixel rgb(33, 182, 148) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 182, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 182, 148);  
box-shadow:4px 4px 4px 4px rgb(33, 182,  
148) }
```


Background

The CSS property to change the background color of an element to Yxy 35.9173, 0.2458, 0.3888 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 182, 148) }
```

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

```
.background{ background-color: rgb(33, 182,  
148) }
```

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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