

Converting Colors

$Yxy(33.2862, 0.2376, 0.3116)$

Have a look what the booklet for
Yxy(33.2862, 0.2376, 0.3116)
contains.

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Color

Yxy(33.1671, 0.2373, 0.3107)

Conversions

Conversions Part 1

Format	Color
Hex	4BA9B4
RGB	75, 169, 180
RGB Percent	29%, 66%, 71%
CMY	0.7056, 0.3373, 0.2941
CMYK	0.58, 0.06, 0.00, 0.29
HSL	186°, 41%, 50%
HSV	186°, 58%, 71%
XYZ	25.3317, 33.1671, 48.2508
YIQ	142.1480, -59.5550, -16.5070

Conversions

Conversions Part 2

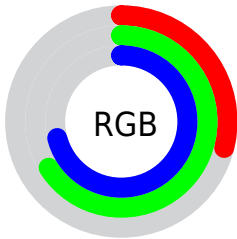
Format	Color
RYB	75, 125, 180
Decimal	4958644
CIELab	64.30, -24.33, -14.04
CIElCh	64, 28.093, 209.981
Yxy	33.1671, 0.2373, 0.3107
Android (android.graphics.Color)	4283148724 (0xFF4BA9B4)
YUV	142.1480, 18.6610, -58.8888
Hunter-Lab	57.5909, -22.2698, -9.3608

Details

The Yxy color **33.1671, 0.2373, 0.3107** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **16.8805, 0.4782, 0.3445**, and the grayscale version is **27.0609, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.3540, 0.2512, 0.3141**, and **14.2549, 0.2181, 0.3050** is the 20% darker color. If you saturate the color by 10%, you get **31.8439, 0.2292, 0.3071**, and if you desaturate by 10%, it is **34.7083, 0.2472, 0.3142**.

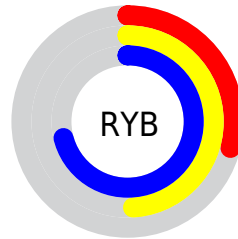
Distribution



Red (29%)

Green (66%)

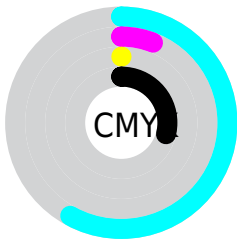
Blue (71%)



Red (29%)

Yellow (49%)

Blue (71%)

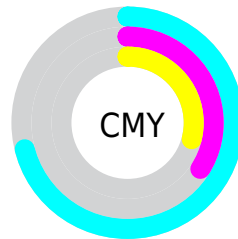


Cyan (58%)

Magenta (6%)

Yellow (0%)

Black (29%)



Cyan (71%)


Magenta (34%)


Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.1671, 0.2373, 0.3107 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 33.1671, 0.2373, 0.3107 by changing the saturation by 10% instead.


 33.1671, 0.2373,
0.3107


 33.1671, 0.2373,
0.3107


316.4020, 0.2761,
0.3214

 22.2545, 0.2274,
0.3075


 64.6363, 0.2516,
0.3150


 14.0440, 0.2145,
0.3030


 85.9617, 0.2569,
0.3164


 8.1513, 0.1972,
0.2965


 111.5268, 0.2614,
0.3177

 4.1919, 0.1729,
0.2861

 141.7161, 0.2652,
0.3187

 1.7815, 0.1371,
0.2677

 176.9138, 0.2685,
0.3195

 0.4756, 0.0000,
0.2287

217.5045, 0.2713,

 0.0000, 0.0000,

0.3202

0.0000

263.8724, 0.2738,
0.3208

■ 33.1671, 0.2373,
0.3107

■ 33.1671, 0.2373,
0.3107

■ 31.8439, 0.2292,
0.3071

■ 34.7083, 0.2472,
0.3142

■ 30.7171, 0.2230,
0.3035

■ 36.4796, 0.2586,
0.3176

■ 29.7671, 0.2187,
0.2999

■ 38.4965, 0.2715,
0.3209

■ 28.9592, 0.2159,
0.2963

■ 40.7720, 0.2854,
0.3240

■ 28.8271, 0.2155,
0.2957

■ 43.3183, 0.3001,
0.3268

■ 46.1467, 0.3153,
0.3294

■ 49.2678, 0.3308,
0.3318

■ 52.6918, 0.3462,
0.3339

■ 56.4282, 0.3615,
0.3358

Harmonies

Analogous

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



33.1671, 0.2609, 0.3539



33.1671, 0.2373, 0.3107



33.1671, 0.2326, 0.2771

Triad

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



33.1671, 0.2373, 0.3107



33.1671, 0.3219, 0.2762



33.1671, 0.3799, 0.3997

Complementary

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



33.1671, 0.2373, 0.3107



16.8805, 0.4782, 0.3445

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.



33.1671, 0.3995, 0.3730



33.1671, 0.2373, 0.3107



33.1671, 0.3651, 0.3039

Square

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



33.1671, 0.2373, 0.3107



33.1671, 0.2788, 0.2604



33.1671, 0.3943, 0.3384



33.1671, 0.3428, 0.4083

Rectangle

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



33.1671, 0.2373, 0.3107



33.1671, 0.2402, 0.2638



33.1671, 0.3943, 0.3384



33.1671, 0.3889, 0.3923

Sweetspot

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



33.1684, 0.2373, 0.3107



74.3645, 0.2869, 0.3243



34.8091, 0.2983, 0.4971



15.8873, 0.2840, 0.3237



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



33.1684, 0.2373, 0.3107



57.1067, 0.2272, 0.3061



17.5258, 0.2170, 0.2172



9.4762, 0.2986, 0.3265



20.1756, 0.2156, 0.2962



0.6782, 0.2184, 0.3061

Inverse Universe

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



17.6091, 0.3332, 0.2058



27.0511, 0.3385, 0.1872



28.3986, 0.4280, 0.4164



8.6311, 0.3153, 0.3089



8.5769, 0.3488, 0.1695



0.2742, 0.3401, 0.1647

Previews

White Background



This preview shows how the Yxy color 33.1671, 0.2373, 0.3107 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 33.1671, 0.2373, 0.3107 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

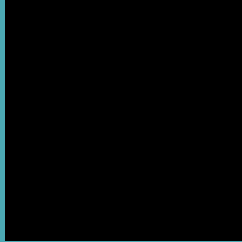
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.1671, 0.2373, 0.3107

Background



This preview shows how black text looks on a background with the Yxy color 33.1671, 0.2373, 0.3107.

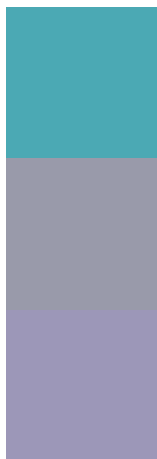


This preview shows how white text looks on a background with the Yxy color 33.1671, 0.2373, 0.3107.

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

33.1671, 0.2373, 0.3107

Protanopia

32.7858, 0.2974, 0.3052

Deuteranopia

32.6618, 0.2882, 0.2816



Tritanopia

33.2898, 0.2366, 0.3076

Trichromacy



Original Color

33.1671, 0.2373, 0.3107

Protanomaly

32.2122, 0.2702, 0.3054

Deuteranomaly

32.3846, 0.2650, 0.2907

Tritanomaly

33.2486, 0.2372, 0.3092

Monochromacy



Original Color

33.1671, 0.2373, 0.3107

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

28.7083, 0.2772, 0.3222

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.1671, 0.2373, 0.3107 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(75, 169, 180)` looks like.

```
.text, #text, p{  
    color:rgb(75, 169, 180)  
}
```

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(75, 169, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 169, 180) }
```

Border

The CSS property to change the border of an element to Yxy 33.1671, 0.2373, 0.3107 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(75, 169, 180) }
```

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

```
.border{ border-color:rgb(75, 169, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 169, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 169, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 169, 180);  
box-shadow:4px 4px 4px 4px rgb(75, 169,  
180) }
```


Background

The CSS property to change the background color of an element to Yxy 33.1671, 0.2373, 0.3107 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 169, 180) }
```

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

```
.background{ background-color: rgb(75, 169,  
180) }
```

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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