

Converting Colors

$Yxy(33.9685, 0.2297, 0.3075)$

Have a look what the booklet for
Yxy(33.9685, 0.2297, 0.3075)
contains.

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Color

Yxy(33.9685, 0.2297, 0.3075)

Conversions

Conversions Part 1

Format	Color
Hex	3CACB9
RGB	60, 172, 185
RGB Percent	24%, 67%, 73%
CMY	0.7646, 0.3255, 0.2745
CMYK	0.68, 0.07, 0.00, 0.27
HSL	186°, 51%, 48%
HSV	186°, 68%, 73%
XYZ	25.3742, 33.9685, 51.1240
YIQ	139.9940, -70.9250, -19.7010

Conversions

Conversions Part 2

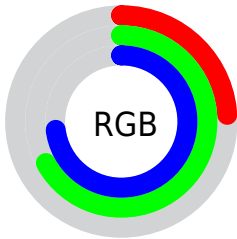
Format	Color
R _Y B	60, 119, 185
Decimal	3976377
CIE Lab	64.94, -26.92, -15.90
CIE LCh	65, 31.264, 210.569
Yxy	33.9685, 0.2297, 0.3075
Android (android.graphics.Color)	4282166457 (0xFF3CACB9)
YUV	139.9940, 22.1880, -70.1547
Hunter-Lab	58.2825, -24.2816, -11.2100

Details

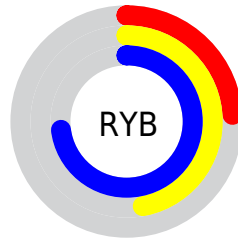
The Yxy color **33.9685, 0.2297, 0.3075** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **15.4106, 0.5198, 0.3451**, and the grayscale version is **26.1582, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.0486, 0.2454, 0.3129**, and **14.8596, 0.2163, 0.2987** is the 20% darker color. If you saturate the color by 10%, you get **32.7629, 0.2234, 0.3039**, and if you desaturate by 10%, it is **35.3886, 0.2379, 0.3111**.

Distribution



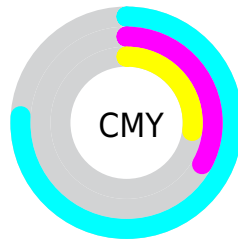
- Red (24%)
- Green (67%)
- Blue (73%)



- Red (24%)
- Yellow (47%)
- Blue (73%)



- Cyan (68%)
- Magenta (7%)
- Yellow (0%)
- Black (27%)





- Cyan (76%)
- Magenta (33%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.9685, 0.2297, 0.3075 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 33.9685, 0.2297, 0.3075 by changing the saturation by 10% instead.

 33.9685, 0.2297,
0.3075


 33.9685, 0.2297,
0.3075


319.9916, 0.2720,
0.3200

 22.8694, 0.2190,
0.3038


 65.8847, 0.2452,
0.3125

 14.4971, 0.2052,
0.2986


 87.4706, 0.2510,
0.3142


 8.4672, 0.1869,
0.2911


 113.3208, 0.2559,
0.3156

 4.3953, 0.1615,
0.2792

 143.8198, 0.2601,
0.3168

 1.8971, 0.1250,
0.2587

 179.3520, 0.2637,
0.3178

 0.5466, 0.0000,
0.2222

220.3018, 0.2668,

 0.0000, 0.0000,

0.3187

0.0000

267.0535, 0.2696,
0.3194

■ 33.9685, 0.2297,
0.3075

■ 33.9685, 0.2297,
0.3075

■ 32.7629, 0.2234,
0.3039

■ 35.3886, 0.2379,
0.3111

■ 31.7460, 0.2189,
0.3003

■ 37.0384, 0.2479,
0.3146

■ 30.8862, 0.2161,
0.2968

■ 38.9359, 0.2595,
0.3180

■ 30.6863, 0.2156,
0.2960

■ 41.0963, 0.2724,
0.3212

■ 43.5335, 0.2864,
0.3242

■ 46.2603, 0.3012,
0.3270

■ 49.2887, 0.3165,
0.3296

■ 52.6303, 0.3320,
0.3319

■ 56.2956, 0.3474,
0.3340

Harmonies

Analogous

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



33.9685, 0.2549, 0.3555



33.9685, 0.2297, 0.3075



33.9685, 0.2251, 0.2711

Triad

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



33.9685, 0.2297, 0.3075



33.9685, 0.3236, 0.2717



33.9685, 0.3859, 0.4071

Complementary

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



33.9685, 0.2297, 0.3075



15.4106, 0.5198, 0.3451

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.



33.9685, 0.4083, 0.3774



33.9685, 0.2297, 0.3075



33.9685, 0.3713, 0.3020

Square

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



33.9685, 0.2297, 0.3075



33.9685, 0.2761, 0.2541



33.9685, 0.4033, 0.3395



33.9685, 0.3445, 0.4169

Rectangle

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



33.9685, 0.2297, 0.3075



33.9685, 0.2337, 0.2570



33.9685, 0.4033, 0.3395



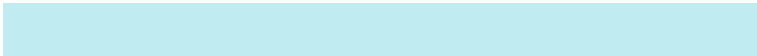
33.9685, 0.3960, 0.3988

Sweetspot

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



33.9698, 0.2297, 0.3075



76.6993, 0.2824, 0.3234



36.1385, 0.2971, 0.5263



16.2700, 0.2785, 0.3226



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.



33.9698, 0.2297, 0.3075



57.7630, 0.2210, 0.3022



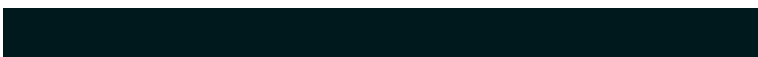
15.6192, 0.2028, 0.1955



10.0466, 0.2985, 0.3266



20.9544, 0.2157, 0.2964



0.7849, 0.2182, 0.3055

Inverse Universe

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



16.5276, 0.3369, 0.1915



25.5316, 0.3427, 0.1763



27.9737, 0.4497, 0.4265



9.1462, 0.3153, 0.3088



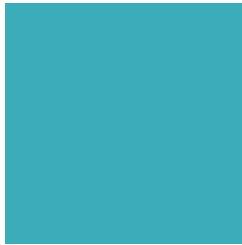
8.8977, 0.3486, 0.1694



0.3183, 0.3406, 0.1650

Previews

White Background



This preview shows how the Yxy color 33.9685, 0.2297, 0.3075 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 33.9685, 0.2297, 0.3075 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

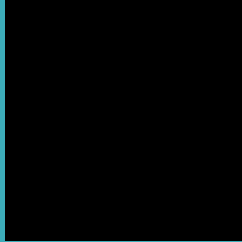
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

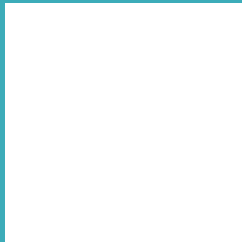
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 33.9685, 0.2297, 0.3075

Background



This preview shows how black text looks on a background with the Yxy color 33.9685, 0.2297, 0.3075.



This preview shows how white text looks on a background with the Yxy color 33.9685, 0.2297, 0.3075.

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

33.9685, 0.2297, 0.3075

Protanopia

33.3687, 0.2950, 0.3011

Deuteranopia

33.4252, 0.2834, 0.2778



Tritanopia

34.0109, 0.2292, 0.3059

Trichromacy



Original Color

33.9685, 0.2297, 0.3075

Protanomaly

32.6972, 0.2638, 0.3023

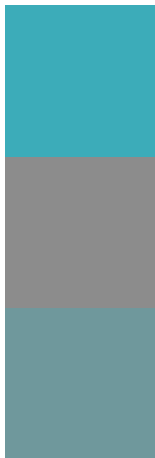
Deuteranomaly

32.7655, 0.2567, 0.2861

Tritanomaly

34.0109, 0.2292, 0.3059

Monochromacy



Original Color

33.9685, 0.2297, 0.3075

Achromatopsia

26.2251, 0.3127, 0.3290

Achromatomaly

28.2363, 0.2713, 0.3221

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.9685, 0.2297, 0.3075 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(60, 172, 185)` looks like.

```
.text, #text, p{  
    color:rgb(60, 172, 185)  
}
```

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(60, 172, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 172, 185) }
```

Border

The CSS property to change the border of an element to Yxy 33.9685, 0.2297, 0.3075 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(60, 172, 185) }
```

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

```
.border{ border-color:rgb(60, 172, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 172, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 172, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 172, 185);  
box-shadow:4px 4px 4px 4px rgb(60, 172,  
185) }
```


Background

The CSS property to change the background color of an element to Yxy 33.9685, 0.2297, 0.3075 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 172, 185) }
```

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

```
.background{ background-color: rgb(60, 172,  
185) }
```

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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