

Converting Colors

$Yxy(39.4557, 0.2235, 0.2998)$

Have a look what the booklet for
Yxy(39.4557, 0.2235, 0.2998)
contains.

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Color

Yxy(39.3228, 0.2236, 0.2997)

Conversions

Conversions Part 1

Format	Color
Hex	34B8CB
RGB	52, 184, 203
RGB Percent	20%, 72%, 80%
CMY	0.7959, 0.2784, 0.2039
CMYK	0.74, 0.09, 0.00, 0.20
HSL	188°, 59%, 50%
HSV	188°, 74%, 80%
XYZ	29.3379, 39.3228, 62.5465
YIQ	146.6980, -84.7710, -22.0750

Conversions

Conversions Part 2

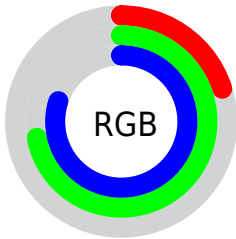
Format	Color
RYB	52, 122, 203
Decimal	3455179
CIELab	68.98, -28.40, -19.73
CIELCh	69, 34.584, 214.787
Yxy	39.3228, 0.2236, 0.2997
Android (android.graphics.Color)	4281645259 (0xFF34B8CB)
YUV	146.6980, 27.7569, -83.0501
Hunter-Lab	62.7079, -26.2275, -15.2419

Details

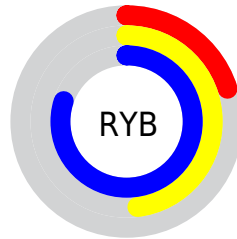
The Yxy color **39.3228, 0.2236, 0.2997** is a dark color, and the websafe version is hex **66CCCC**. The color can be described as middle muted azure. A complement of this color would be **17.4588, 0.5486, 0.3482**, and the grayscale version is **28.9620, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.6051, 0.2414, 0.3112**, and **18.4025, 0.2142, 0.2911** is the 20% darker color. If you saturate the color by 10%, you get **37.8436, 0.2183, 0.2953**, and if you desaturate by 10%, it is **41.0555, 0.2308, 0.3041**.

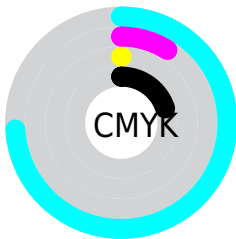
Distribution



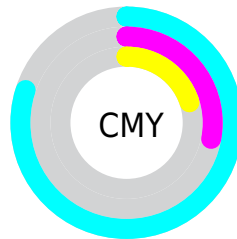
- Red (20%)
- Green (72%)
- Blue (80%)



- Red (20%)
- Yellow (48%)
- Blue (80%)



- Cyan (74%)
- Magenta (9%)
- Yellow (0%)
- Black (20%)



- Cyan (80%)
- Magenta (28%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.3228, 0.2236, 0.2997 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 39.3228, 0.2236, 0.2997 by changing the saturation by 10% instead.


 39.3228, 0.2236,
0.2997

 39.3228, 0.2236,
0.2997


343.2610, 0.2677,
0.3161


 27.0109, 0.2129,
0.2951


 74.1312, 0.2395,
0.3060


 17.5814, 0.1993,
0.2889


 97.3965, 0.2455,
0.3083

 10.6499, 0.1816,
0.2803


 125.0818, 0.2506,
0.3102

 5.8319, 0.1580,
0.2674

 157.5713, 0.2550,
0.3117

 2.7432, 0.1254,
0.2467

 195.2497, 0.2588,
0.3131

 0.9992, 0.0545,
0.2161

238.5011, 0.2622,

 0.0000, 0.0000,

0.3142

0.0000

287.7101, 0.2651,
0.3152

■ 39.3228, 0.2236,
0.2997

■ 39.3228, 0.2236,
0.2997

■ 37.8436, 0.2183,
0.2953

■ 41.0555, 0.2308,
0.3041

■ 36.5816, 0.2149,
0.2909

■ 43.0641, 0.2398,
0.3085

■ 35.9332, 0.2135,
0.2885

■ 45.3727, 0.2506,
0.3127

■ 48.0019, 0.2629,
0.3168

■ 50.9702, 0.2765,
0.3207

■ 54.2947, 0.2909,
0.3243

■ 57.9912, 0.3060,
0.3276

■ 62.0746, 0.3214,
0.3307

■ 66.5589, 0.3370,
0.3334

Harmonies

Analogous

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



39.3228, 0.2470, 0.3495



39.3228, 0.2236, 0.2997



39.3228, 0.2219, 0.2641

Triad

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



39.3228, 0.2236, 0.2997



39.3228, 0.3315, 0.2727



39.3228, 0.3843, 0.4140

Complementary

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



39.3228, 0.2236, 0.2997



17.4588, 0.5486, 0.3482

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.



39.3228, 0.4116, 0.3847



39.3228, 0.2236, 0.2997



39.3228, 0.3806, 0.3058

Square

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



39.3228, 0.2236, 0.2997



39.3228, 0.2806, 0.2522



39.3228, 0.4108, 0.3455



39.3228, 0.3389, 0.4210

Rectangle

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



39.3228, 0.2236, 0.2997



39.3228, 0.2329, 0.2514



39.3228, 0.4108, 0.3455



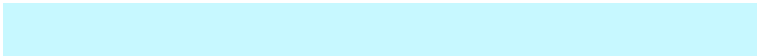
39.3228, 0.3960, 0.4061

Sweetspot

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



39.3242, 0.2236, 0.2997



86.4445, 0.2794, 0.3215



43.8837, 0.2958, 0.5438



18.1906, 0.2755, 0.3204



0.0000, 0.0000, 0.0000



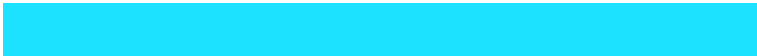
21.4041, 0.3127, 0.3290

Same Dimension

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



39.3242, 0.2236, 0.2997



62.0927, 0.2161, 0.2927



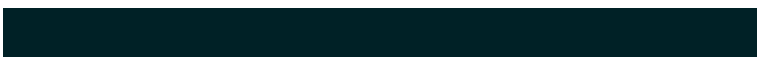
16.1768, 0.1918, 0.1746



12.4766, 0.2983, 0.3260



22.9587, 0.2136, 0.2891



1.2535, 0.2160, 0.2976

Inverse Universe

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



18.6181, 0.3443, 0.1857



27.6073, 0.3515, 0.1750



33.2387, 0.4631, 0.4348



11.3785, 0.3157, 0.3090



10.1207, 0.3552, 0.1730



0.5291, 0.3476, 0.1688

Previews

White Background



This preview shows how the Yxy color 39.3228, 0.2236, 0.2997 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 39.3228, 0.2236, 0.2997 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

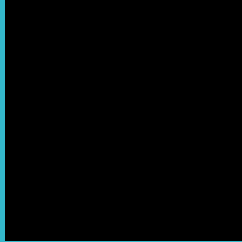
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.3228, 0.2236, 0.2997

Background



This preview shows how black text looks on a background with the Yxy color 39.3228, 0.2236, 0.2997.



This preview shows how white text looks on a background with the Yxy color 39.3228, 0.2236, 0.2997.

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

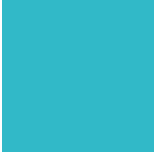
39.3228, 0.2236, 0.2997

Protanopia

38.8206, 0.2895, 0.2947

Deuteranopia

38.8915, 0.2766, 0.2706



Tritanopia

39.5210, 0.2246, 0.3056

Trichromacy



Original Color

39.3228, 0.2236, 0.2997

Protanomaly

38.0382, 0.2570, 0.2966

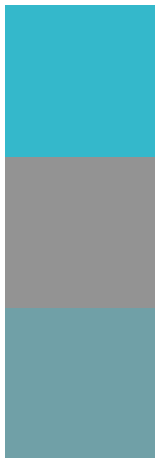
Deuteranomaly

37.7930, 0.2499, 0.2788

Tritanomaly

39.5931, 0.2244, 0.3042

Monochromacy



Original Color

39.3228, 0.2236, 0.2997

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

31.3764, 0.2654, 0.3175

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.3228, 0.2236, 0.2997 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(52, 184, 203)` looks like.

```
.text, #text, p{  
    color:rgb(52, 184, 203)  
}
```

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(52, 184, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 184, 203) }
```

Border

The CSS property to change the border of an element to Yxy 39.3228, 0.2236, 0.2997 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(52, 184, 203) }
```

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

```
.border{ border-color:rgb(52, 184, 203) }
```

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

Here you see how a box with a 4 pixel rgb(52, 184, 203) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 184, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 184, 203);  
box-shadow:4px 4px 4px 4px rgb(52, 184,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 39.3228, 0.2236, 0.2997 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 184, 203) }
```

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

```
.background{ background-color: rgb(52, 184,  
203) }
```

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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