

Converting Colors

$Y_{xy}(33.2953, 0.2239, 0.2947)$

Have a look what the booklet for
Yxy(33.2953, 0.2239, 0.2947)
contains.

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Color

Yxy(33.2953, 0.2239, 0.2947)

Conversions

Conversions Part 1

Format	Color
Hex	36AABF
RGB	54, 170, 191
RGB Percent	21%, 67%, 75%
CMY	0.7886, 0.3333, 0.2509
CMYK	0.72, 0.11, 0.00, 0.25
HSL	189°, 56%, 48%
HSV	189°, 72%, 75%
XYZ	25.2963, 33.2953, 54.3887
YIQ	137.7100, -75.8770, -18.0610

Conversions

Conversions Part 2

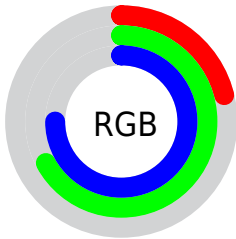
Format	Color
RYB	54, 117, 191
Decimal	3582655
CIELab	64.40, -24.93, -20.07
CIELCh	64, 32.004, 218.836
Yxy	33.2953, 0.2239, 0.2947
Android (android.graphics.Color)	4281772735 (0xFF36AABF)
YUV	137.7100, 26.2720, -73.4137
Hunter-Lab	57.7021, -22.7252, -15.4940

Details

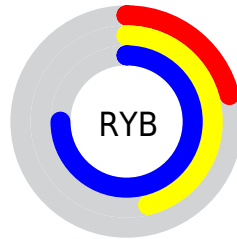
The Yxy color **33.2953, 0.2239, 0.2947** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **16.3611, 0.5320, 0.3529**, and the grayscale version is **25.2093, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.0301, 0.2406, 0.3032**, and **14.5576, 0.2114, 0.2811** is the 20% darker color. If you saturate the color by 10%, you get **31.7841, 0.2177, 0.2893**, and if you desaturate by 10%, it is **35.0407, 0.2320, 0.3001**.

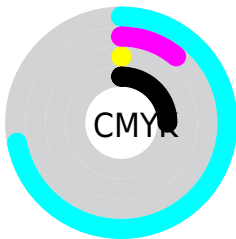
Distribution



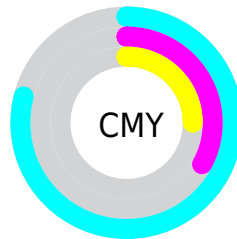
- Red (21%)
- Green (67%)
- Blue (75%)



- Red (21%)
- Yellow (46%)
- Blue (75%)



- Cyan (72%)
- Magenta (11%)
- Yellow (0%)
- Black (25%)





- Cyan (79%)
- Magenta (33%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.2953, 0.2239, 0.2947 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 33.2953, 0.2239, 0.2947 by changing the saturation by 10% instead.


 33.2953, 0.2239,
0.2947


 33.2953, 0.2239,
0.2947


316.9783, 0.2691,
0.3140


 22.3528, 0.2125,
0.2892


 64.8363, 0.2404,
0.3022


 14.1163, 0.1979,
0.2817


 86.2035, 0.2466,
0.3049

 8.2016, 0.1787,
0.2710


 111.8145, 0.2518,
0.3071

 4.2242, 0.1523,
0.2548

 142.0535, 0.2563,
0.3090

 1.7998, 0.1151,
0.2281

 177.3050, 0.2601,
0.3105

 0.4870, 0.0000,
0.1751

217.9533, 0.2635,

 0.0000, 0.0000,

0.3118

0.0000

264.3830, 0.2665,
0.3130

■ 33.2953, 0.2239,
0.2947

■ 33.2953, 0.2239,
0.2947

■ 31.7841, 0.2177,
0.2893

■ 35.0407, 0.2320,
0.3001

■ 30.4773, 0.2135,
0.2839

■ 37.0385, 0.2418,
0.3054

■ 29.5165, 0.2110,
0.2795

■ 39.3090, 0.2533,
0.3106

■ 41.8695, 0.2662,
0.3155

■ 44.7357, 0.2801,
0.3201

■ 47.9219, 0.2948,
0.3244

■ 51.4418, 0.3100,
0.3283

■ 55.3079, 0.3254,
0.3319

■ 59.5323, 0.3407,
0.3351

Harmonies

Analogous

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



33.2953, 0.2441, 0.3422



33.2953, 0.2239, 0.2947



33.2953, 0.2252, 0.2623

Triad

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



33.2953, 0.2239, 0.2947



33.2953, 0.3381, 0.2776



33.2953, 0.3776, 0.4147

Complementary

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



33.2953, 0.2239, 0.2947



16.3611, 0.5320, 0.3529

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.



33.2953, 0.4073, 0.3884



33.2953, 0.2239, 0.2947



33.2953, 0.3845, 0.3113

Square

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



33.2953, 0.2239, 0.2947



33.2953, 0.2875, 0.2555



33.2953, 0.4105, 0.3507



33.2953, 0.3318, 0.4175

Rectangle

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



33.2953, 0.2239, 0.2947



33.2953, 0.2377, 0.2515



33.2953, 0.4105, 0.3507



33.2953, 0.3899, 0.4079

Sweetspot

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



33.2965, 0.2239, 0.2947



79.8078, 0.2793, 0.3199



38.5480, 0.2939, 0.5293



17.2054, 0.2754, 0.3186



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



33.2965, 0.2239, 0.2947



55.5716, 0.2151, 0.2862



14.0237, 0.1937, 0.1734



10.5538, 0.2985, 0.3254



19.4906, 0.2112, 0.2802



0.8318, 0.2147, 0.2930

Inverse Universe

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



16.6090, 0.3482, 0.1924



25.9127, 0.3572, 0.1804



30.9940, 0.4520, 0.4381



9.6705, 0.3160, 0.3098



8.9973, 0.3633, 0.1775



0.3593, 0.3516, 0.1711

Previews

White Background



This preview shows how the Yxy color 33.2953, 0.2239, 0.2947 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 33.2953, 0.2239, 0.2947 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

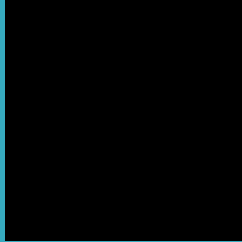
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

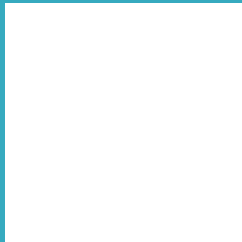
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 33.2953, 0.2239, 0.2947

Background



This preview shows how black text looks on a background with the Yxy color 33.2953, 0.2239, 0.2947.



This preview shows how white text looks on a background with the Yxy color 33.2953, 0.2239, 0.2947.

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

33.2953, 0.2239, 0.2947

Protanopia

32.8905, 0.2863, 0.2908

Deuteranopia

32.7862, 0.2734, 0.2677



Tritanopia

33.3067, 0.2261, 0.3056

Trichromacy



Original Color

33.2953, 0.2239, 0.2947

Protanomaly

32.2471, 0.2558, 0.2915

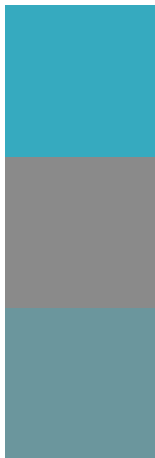
Deuteranomaly

32.2687, 0.2483, 0.2756

Tritanomaly

33.4175, 0.2254, 0.3025

Monochromacy



Original Color

33.2953, 0.2239, 0.2947

Achromatopsia

25.4152, 0.3127, 0.3290

Achromatomaly

27.3728, 0.2669, 0.3168

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.2953, 0.2239, 0.2947 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(54, 170, 191)` looks like.

```
.text, #text, p{  
    color:rgb(54, 170, 191)  
}
```

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(54, 170, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 170, 191) }
```

Border

The CSS property to change the border of an element to Yxy 33.2953, 0.2239, 0.2947 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(54, 170, 191) }
```

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

```
.border{ border-color:rgb(54, 170, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(54, 170, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 170, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 170, 191);  
box-shadow:4px 4px 4px 4px rgb(54, 170,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 33.2953, 0.2239, 0.2947 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 170, 191) }
```

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

```
.background{ background-color: rgb(54, 170,  
191) }
```

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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