

Converting Colors

$Y_{xy}(33.6137, 0.2240, 0.2957)$

Have a look what the booklet for
Yxy(33.6137, 0.2240, 0.2957)
contains.

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Color

Yxy(33.6443, 0.2241, 0.2964)

Conversions

Conversions Part 1

Format	Color
Hex	35ABBF
RGB	53, 171, 191
RGB Percent	21%, 67%, 75%
CMY	0.7916, 0.3294, 0.2511
CMYK	0.72, 0.10, 0.00, 0.25
HSL	189°, 56%, 48%
HSV	189°, 72%, 75%
XYZ	25.4375, 33.6443, 54.4279
YIQ	137.9980, -76.7480, -18.7960

Conversions

Conversions Part 2

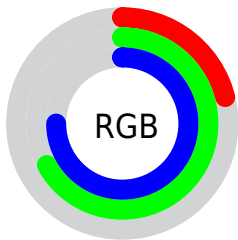
Format	Color
RYB	53, 117, 191
Decimal	3517375
CIELab	64.68, -25.54, -19.62
CIElCh	65, 32.207, 217.541
Yxy	33.6443, 0.2241, 0.2964
Android (android.graphics.Color)	4281707455 (0xFF35ABBF)
YUV	137.9980, 26.1300, -74.5432
Hunter-Lab	58.0037, -23.2253, -15.0323

Details

The Yxy color **33.6443, 0.2241, 0.2964** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **16.1109, 0.5349, 0.3516**, and the grayscale version is **25.3491, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.5755, 0.2408, 0.3045**, and **14.7918, 0.2121, 0.2835** is the 20% darker color. If you saturate the color by 10%, you get **32.1910, 0.2181, 0.2913**, and if you desaturate by 10%, it is **35.3282, 0.2320, 0.3015**.

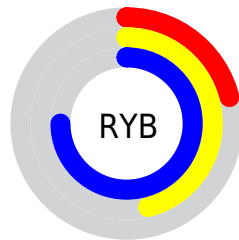
Distribution



Red (21%)

Green (67%)

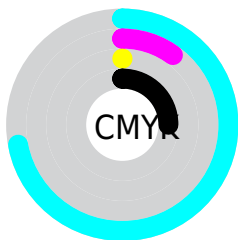
Blue (75%)



Red (21%)

Yellow (46%)

Blue (75%)

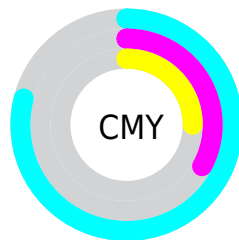


Cyan (72%)

Magenta (10%)

Yellow (0%)

Black (25%)



Cyan (79%)


Magenta (33%)


Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.6443, 0.2241, 0.2964 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 33.6443, 0.2241, 0.2964 by changing the saturation by 10% instead.


 33.6443, 0.2241,
0.2964


 33.6443, 0.2241,
0.2964


318.5431, 0.2691,
0.3148


 22.6205, 0.2128,
0.2911


 65.3801, 0.2406,
0.3036


 14.3135, 0.1983,
0.2839


 86.8610, 0.2467,
0.3062

 8.3390, 0.1791,
0.2737


 112.5962, 0.2519,
0.3082

 4.3127, 0.1530,
0.2581

 142.9703, 0.2564,
0.3100

 1.8500, 0.1160,
0.2323

 178.3677, 0.2602,
0.3115

 0.5180, 0.0000,
0.1839

219.1726, 0.2636,

 0.0000, 0.0000,

0.3128

0.0000

265.7696, 0.2665,
0.3139

■ 33.6443, 0.2241,
0.2964

■ 33.6443, 0.2241,
0.2964

■ 32.1910, 0.2181,
0.2913

■ 35.3282, 0.2320,
0.3015

■ 30.9384, 0.2140,
0.2862

■ 37.2611, 0.2417,
0.3065

■ 30.0601, 0.2117,
0.2823

■ 39.4634, 0.2530,
0.3114

■ 41.9523, 0.2657,
0.3160

■ 44.7436, 0.2796,
0.3204

■ 47.8516, 0.2942,
0.3245

■ 51.2899, 0.3094,
0.3282

■ 55.0712, 0.3248,
0.3316

■ 59.2074, 0.3401,
0.3347

Harmonies

Analogous

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



33.6443, 0.2452, 0.3445



33.6443, 0.2241, 0.2964



33.6443, 0.2244, 0.2631

Triad

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



33.6443, 0.2241, 0.2964



33.6443, 0.3359, 0.2762



33.6443, 0.3795, 0.4142

Complementary

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



33.6443, 0.2241, 0.2964



16.1109, 0.5349, 0.3516

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.



33.6443, 0.4083, 0.3870



33.6443, 0.2241, 0.2964



33.6443, 0.3830, 0.3096

Square

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



33.6443, 0.2241, 0.2964



33.6443, 0.2854, 0.2547



33.6443, 0.4103, 0.3490



33.6443, 0.3340, 0.4182

Rectangle

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



33.6443, 0.2241, 0.2964



33.6443, 0.2365, 0.2518



33.6443, 0.4103, 0.3490



33.6443, 0.3916, 0.4071

Sweetspot

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



33.6455, 0.2241, 0.2964



80.0703, 0.2793, 0.3204



38.4723, 0.2949, 0.5337



17.2698, 0.2755, 0.3192



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.



33.6455, 0.2241, 0.2964



56.2413, 0.2154, 0.2881



14.3562, 0.1941, 0.1764



10.5674, 0.2985, 0.3256



19.8521, 0.2119, 0.2829



0.8430, 0.2153, 0.2950

Inverse Universe

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



16.5715, 0.3468, 0.1909



25.8455, 0.3555, 0.1787



30.2141, 0.4553, 0.4358



9.6719, 0.3159, 0.3096



9.0338, 0.3608, 0.1761



0.3605, 0.3498, 0.1701

Previews

White Background



This preview shows how the Yxy color 33.6443, 0.2241, 0.2964 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 33.6443, 0.2241, 0.2964 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 33.6443, 0.2241, 0.2964

Background



This preview shows how black text looks on a background with the Yxy color 33.6443, 0.2241, 0.2964.



This preview shows how white text looks on a background with the Yxy color 33.6443, 0.2241, 0.2964.

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

33.6443, 0.2241, 0.2964

Protanopia

33.3173, 0.2872, 0.2924

Deuteranopia

33.3019, 0.2752, 0.2695



Tritanopia

33.7283, 0.2260, 0.3058

Trichromacy



Original Color

33.6443, 0.2241, 0.2964



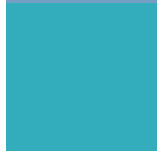
Protanomaly

32.5953, 0.2560, 0.2931



Deuteranomaly

32.6815, 0.2493, 0.2773



Tritanomaly

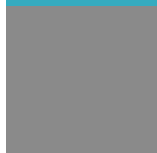
33.8397, 0.2253, 0.3026

Monochromacy



Original Color

33.6443, 0.2241, 0.2964



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 33.6443, 0.2241, 0.2964 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(53, 171, 191)` looks like.

```
.text, #text, p{  
    color:rgb(53, 171, 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(53, 171, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 171, 191) }
```

Border

The CSS property to change the border of an element to Yxy 33.6443, 0.2241, 0.2964 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(53, 171, 191) }
```

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

```
.border{ border-color:rgb(53, 171, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(53, 171, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 171, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 171, 191);  
box-shadow:4px 4px 4px 4px rgb(53, 171,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 33.6443, 0.2241, 0.2964 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 171, 191) }
```

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

```
.background{ background-color: rgb(53, 171,  
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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