

Converting Colors

$Y_{xy}(33.7075, 0.2298, 0.3140)$

Have a look what the booklet for
Yxy(33.7075, 0.2298, 0.3140)
contains.

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Color

Yxy(33.6255, 0.2297, 0.3138)

Conversions

Conversions Part 1

Format	Color
Hex	36ACB5
RGB	54, 172, 181
RGB Percent	21%, 67%, 71%
CMY	0.7884, 0.3255, 0.2901
CMYK	0.70, 0.05, 0.00, 0.29
HSL	184°, 54%, 46%
HSV	184°, 70%, 71%
XYZ	24.6137, 33.6255, 48.9166
YIQ	137.7440, -73.2170, -22.2170

Conversions

Conversions Part 2

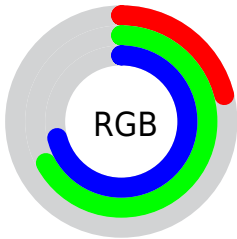
Format	Color
RYB	54, 115, 181
Decimal	3583157
CIELab	64.66, -28.99, -14.10
CIElCh	65, 32.238, 205.939
Yxy	33.6255, 0.2297, 0.3138
Android (android.graphics.Color)	4281773237 (0xFF36ACB5)
YUV	137.7440, 21.3252, -73.4435
Hunter-Lab	57.9875, -25.7110, -9.4241

Details

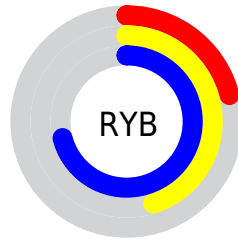
The Yxy color **33.6255, 0.2297, 0.3138** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **13.6437, 0.5358, 0.3400**, and the grayscale version is **25.2483, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.4528, 0.2451, 0.3177**, and **14.7522, 0.2188, 0.3076** is the 20% darker color. If you saturate the color by 10%, you get **32.7297, 0.2243, 0.3114**, and if you desaturate by 10%, it is **34.7148, 0.2370, 0.3162**.

Distribution



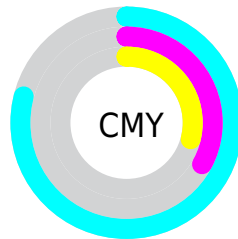
- Red (21%)
- Green (67%)
- Blue (71%)



- Red (21%)
- Yellow (45%)
- Blue (71%)



- Cyan (70%)
- Magenta (5%)
- Yellow (0%)
- Black (29%)





- Cyan (79%)
- Magenta (33%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.6255, 0.2297, 0.3138 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 33.6255, 0.2297, 0.3138 by changing the saturation by 10% instead.


 33.6255, 0.2297,
0.3138


 33.6255, 0.2297,
0.3138


318.4589, 0.2722,
0.3231

 22.6060, 0.2189,
0.3109


 65.3509, 0.2453,
0.3176


 14.3029, 0.2050,
0.3068


 86.8256, 0.2511,
0.3189


 8.3316, 0.1864,
0.3007

 112.5541, 0.2560,
0.3199

 4.3079, 0.1607,
0.2907

 142.9210, 0.2602,
0.3208

 1.8472, 0.1234,
0.2728

 178.3105, 0.2638,
0.3215

 0.5164, 0.0000,
0.2358

219.1071, 0.2669,

 0.0000, 0.0000,

0.3221

0.0000

265.6951, 0.2697,
0.3226

■ 33.6255, 0.2297,
0.3138

■ 33.6255, 0.2297,
0.3138

■ 32.7297, 0.2243,
0.3114

■ 34.7148, 0.2370,
0.3162

■ 32.0018, 0.2207,
0.3090

■ 36.0124, 0.2461,
0.3186

■ 31.4075, 0.2185,
0.3067

■ 37.5359, 0.2569,
0.3209

■ 39.3000, 0.2693,
0.3231

■ 41.3181, 0.2828,
0.3252

■ 43.6027, 0.2973,
0.3272

■ 46.1652, 0.3124,
0.3290

■ 49.0168, 0.3279,
0.3306

■ 52.1675, 0.3436,
0.3321

Harmonies

Analogous

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



33.6255, 0.2587, 0.3641



33.6255, 0.2297, 0.3138



33.6255, 0.2216, 0.2737

Triad

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



33.6255, 0.2297, 0.3138



33.6255, 0.3159, 0.2662



33.6255, 0.3934, 0.4058

Complementary

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



33.6255, 0.2297, 0.3138



13.6437, 0.5358, 0.3400

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.



33.6255, 0.4127, 0.3730



33.6255, 0.2297, 0.3138



33.6255, 0.3664, 0.2956

Square

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



33.6255, 0.2297, 0.3138



33.6255, 0.2682, 0.2505



33.6255, 0.4030, 0.3335



33.6255, 0.3528, 0.4203

Rectangle

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



33.6255, 0.2297, 0.3138



33.6255, 0.2283, 0.2572



33.6255, 0.4030, 0.3335



33.6255, 0.4027, 0.3963

Sweetspot

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



33.6268, 0.2297, 0.3138



73.5421, 0.2812, 0.3250



34.1897, 0.2988, 0.5398



15.6767, 0.2774, 0.3244



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.



33.6268, 0.2297, 0.3138



57.8928, 0.2222, 0.3102



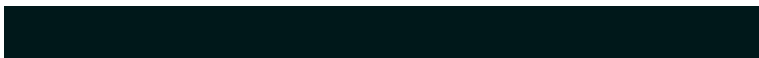
15.0614, 0.2012, 0.1976



9.5263, 0.2986, 0.3273



21.6903, 0.2186, 0.3070



0.7130, 0.2204, 0.3136

Inverse Universe

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



15.4392, 0.3320, 0.1842



24.1513, 0.3361, 0.1698



25.0029, 0.4602, 0.4233



8.6361, 0.3148, 0.3081



8.7298, 0.3393, 0.1643



0.2778, 0.3336, 0.1612

Previews

White Background



This preview shows how the Yxy color 33.6255, 0.2297, 0.3138 looks on a white background.

Color Contrast Check

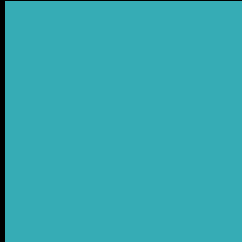
Large Text (above 18pt) WCAG AA × Fail

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 33.6255, 0.2297, 0.3138 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

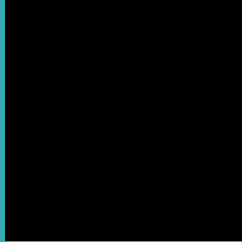
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.6255, 0.2297, 0.3138

Background



This preview shows how black text looks on a background with the Yxy color 33.6255, 0.2297, 0.3138.

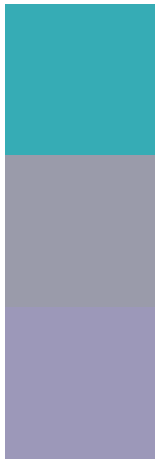


This preview shows how white text looks on a background with the Yxy color 33.6255, 0.2297, 0.3138.

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

33.6255, 0.2297, 0.3138

Protanopia

33.2150, 0.2984, 0.3068

Deuteranopia

33.0272, 0.2875, 0.2818



Tritanopia

33.4985, 0.2283, 0.3058

Trichromacy



Original Color

33.6255, 0.2297, 0.3138



Protanomaly

32.3973, 0.2651, 0.3083



Deuteranomaly

32.1789, 0.2584, 0.2902



Tritanomaly

33.4273, 0.2284, 0.3073

Monochromacy



Original Color

33.6255, 0.2297, 0.3138



Achromatopsia

25.4152, 0.3127, 0.3290



Achromatomaly

27.2716, 0.2692, 0.3219

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.6255, 0.2297, 0.3138 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, 172, 181)` looks like.

```
.text, #text, p{  
    color:rgb(54, 172, 181)  
}
```

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, 172, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 172, 181) }
```

Border

The CSS property to change the border of an element to Yxy 33.6255, 0.2297, 0.3138 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, 172, 181) }
```

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

```
.border{ border-color:rgb(54, 172, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(54, 172, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 172, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 172, 181);  
box-shadow:4px 4px 4px 4px rgb(54, 172,  
181) }
```


Background

The CSS property to change the background color of an element to Yxy 33.6255, 0.2297, 0.3138 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 172, 181) }
```

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

```
.background{ background-color: rgb(54, 172,  
181) }
```

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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