

Converting Colors

$Y_{xy}(33.6130, 0.2131, 0.2587)$

Have a look what the booklet for
Yxy(33.6130, 0.2131, 0.2587)
contains.

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Color

Yxy(33.6725, 0.2131, 0.2589)

Conversions

Conversions Part 1

Format	Color
Hex	37A8D6
RGB	55, 168, 214
RGB Percent	22%, 66%, 84%
CMY	0.7845, 0.3412, 0.1607
CMYK	0.74, 0.22, 0.00, 0.16
HSL	197°, 66%, 53%
HSV	197°, 74%, 84%
XYZ	27.7158, 33.6725, 68.6716
YIQ	139.4570, -82.1140, -9.6500

Conversions

Conversions Part 2

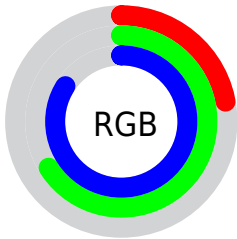
Format	Color
RYB	55, 121, 214
Decimal	3647702
CIELab	64.70, -16.29, -32.37
CIELCh	65, 36.241, 243.290
Yxy	33.6725, 0.2131, 0.2589
Android (android.graphics.Color)	4281837782 (0xFF37A8D6)
YUV	139.4570, 36.7497, -74.0688
Hunter-Lab	58.0280, -16.2926, -29.5455

Details

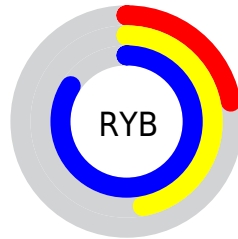
The Yxy color **33.6725, 0.2131, 0.2589** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle muted azure. A complement of this color would be **23.8777, 0.5215, 0.3764**, and the grayscale version is **25.8796, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.2063, 0.2380, 0.2905**, and **14.9940, 0.1999, 0.2398** is the 20% darker color. If you saturate the color by 10%, you get **30.9630, 0.2056, 0.2479**, and if you desaturate by 10%, it is **36.7550, 0.2226, 0.2698**.

Distribution



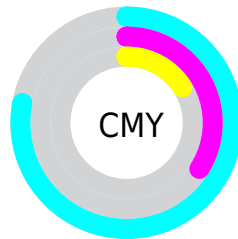
- Red (22%)
- Green (66%)
- Blue (84%)



- Red (22%)
- Yellow (47%)
- Blue (84%)



- Cyan (74%)
- Magenta (22%)
- Yellow (0%)
- Black (16%)



- Cyan (78%)
- Magenta (34%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.6725, 0.2131, 0.2589 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 33.6725, 0.2131, 0.2589 by changing the saturation by 10% instead.

■ 33.6725, 0.2131,
0.2589

■ 33.6725, 0.2131,
0.2589

■ 318.6693, 0.2631,
0.2960

■ 22.6421, 0.2009,
0.2492

■ 65.4241, 0.2312,
0.2728

■ 14.3295, 0.1854,
0.2365

■ 86.9140, 0.2380,
0.2779

■ 8.3502, 0.1654,
0.2195

■ 112.6593, 0.2438,
0.2822

■ 4.3198, 0.1389,
0.1958

■ 143.0443, 0.2487,
0.2858

■ 1.8540, 0.1034,
0.1613

■ 178.4534, 0.2531,
0.2889

■ 0.5205, 0.0198,
0.1060

219.2710, 0.2568,

■ 0.0000, 0.0000,

0.2916

0.0000

265.8815, 0.2601,
0.2940

■ 33.6725, 0.2131,
0.2589

■ 33.6725, 0.2131,
0.2589

■ 30.9630, 0.2056,
0.2479

■ 36.7550, 0.2226,
0.2698

■ 28.5849, 0.2000,
0.2371

■ 40.2386, 0.2339,
0.2806

■ 27.3464, 0.1975,
0.2309

■ 44.1520, 0.2467,
0.2909

■ 48.5196, 0.2607,
0.3007

■ 53.3639, 0.2755,
0.3098

■ 58.7056, 0.2907,
0.3182

■ 64.5639, 0.3061,
0.3259

■ 70.9570, 0.3214,
0.3328

■ 77.9019, 0.3363,
0.3390

Harmonies

Analogous

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



33.6725, 0.2159, 0.2986



33.6725, 0.2131, 0.2589



33.6725, 0.2334, 0.2412

Triad

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



33.6725, 0.2131, 0.2589



33.6725, 0.3853, 0.3012



33.6725, 0.3437, 0.4314

Complementary

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



33.6725, 0.2131, 0.2589



23.8777, 0.5215, 0.3764

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.



33.6725, 0.3931, 0.4211



33.6725, 0.2131, 0.2589



33.6725, 0.4201, 0.3441

Square

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



33.6725, 0.2131, 0.2589



33.6725, 0.3302, 0.2660



33.6725, 0.4222, 0.3873



33.6725, 0.2884, 0.4068

Rectangle

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



33.6725, 0.2131, 0.2589



33.6725, 0.2588, 0.2413



33.6725, 0.4222, 0.3873



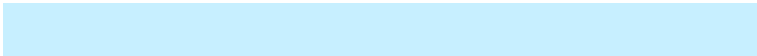
33.6725, 0.3616, 0.4316

Sweetspot

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



33.6737, 0.2131, 0.2589



80.9467, 0.2786, 0.3116



49.8363, 0.2850, 0.5087



16.8791, 0.2745, 0.3093



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.



33.6737, 0.2131, 0.2589



44.0097, 0.2022, 0.2418



12.8822, 0.1815, 0.1350



13.4726, 0.2982, 0.3221



16.7119, 0.1979, 0.2325



1.1470, 0.2031, 0.2512

Inverse Universe

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



19.8551, 0.3807, 0.2090



25.7818, 0.3997, 0.2025



47.0395, 0.4377, 0.4610



12.5686, 0.3181, 0.3126



10.0319, 0.4100, 0.2032



0.6191, 0.3911, 0.1928

Previews

White Background



This preview shows how the Yxy color 33.6725, 0.2131, 0.2589 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 33.6725, 0.2131, 0.2589 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

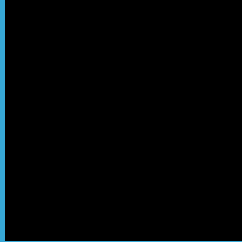
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.6725, 0.2131, 0.2589

Background



This preview shows how black text looks on a background with the Yxy color 33.6725, 0.2131, 0.2589.

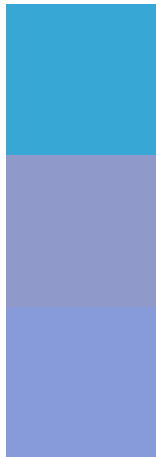


This preview shows how white text looks on a background with the Yxy color 33.6725, 0.2131, 0.2589.

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

33.6725, 0.2131, 0.2589

Protanopia

33.2626, 0.2628, 0.2597

Deuteranopia

33.2719, 0.2476, 0.2418



Tritanopia

33.7362, 0.2212, 0.3056

Trichromacy



Original Color

33.6725, 0.2131, 0.2589

Protanomaly

32.6808, 0.2386, 0.2581

Deuteranomaly

32.8183, 0.2307, 0.2463

Tritanomaly

33.5691, 0.2175, 0.2870

Monochromacy



Original Color

33.6725, 0.2131, 0.2589

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

27.7540, 0.2609, 0.3020

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.6725, 0.2131, 0.2589 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(55, 168, 214)` looks like.

```
.text, #text, p{  
    color:rgb(55, 168, 214)  
}
```

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(55, 168, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 168, 214) }
```

Border

The CSS property to change the border of an element to Yxy 33.6725, 0.2131, 0.2589 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(55, 168, 214) }
```

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

```
.border{ border-color:rgb(55, 168, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 168, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 168, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 168, 214);  
box-shadow:4px 4px 4px 4px rgb(55, 168,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 33.6725, 0.2131, 0.2589 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 168, 214) }
```

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

```
.background{ background-color: rgb(55, 168,  
214) }
```

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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