

Converting Colors

$Y_{xy}(33.6707, 0.2145, 0.2629)$

Have a look what the booklet for
Yxy(33.6707, 0.2145, 0.2629)
contains.

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Color

Yxy(33.5492, 0.2147, 0.2629)

Conversions

Conversions Part 1

Format	Color
Hex	38A8D3
RGB	56, 168, 211
RGB Percent	22%, 66%, 83%
CMY	0.7798, 0.3412, 0.1725
CMYK	0.73, 0.20, 0.00, 0.17
HSL	197°, 64%, 52%
HSV	197°, 73%, 83%
XYZ	27.3983, 33.5492, 66.6645
YIQ	139.4140, -80.5550, -10.3710

Conversions

Conversions Part 2

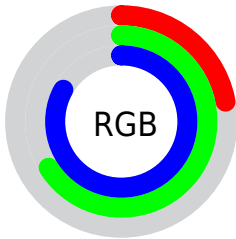
Format	Color
R _{YB}	56, 121, 211
Decimal	3713235
CIE Lab	64.60, -17.14, -30.86
CIE LCh	65, 35.295, 240.956
Yxy	33.5492, 0.2147, 0.2629
Android (android.graphics.Color)	4281903315 (0xFF38A8D3)
YUV	139.4140, 35.2919, -73.1541
Hunter-Lab	57.9217, -16.9283, -27.6942

Details

The Yxy color **33.5492, 0.2147, 0.2629** 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 **23.0946, 0.5198, 0.3744**, and the grayscale version is **25.8882, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.2063, 0.2380, 0.2905**, and **14.8911, 0.2014, 0.2448** is the 20% darker color. If you saturate the color by 10%, you get **30.9476, 0.2071, 0.2524**, and if you desaturate by 10%, it is **36.5070, 0.2242, 0.2733**.

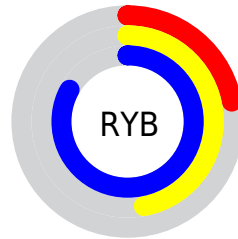
Distribution



Red (22%)

Green (66%)

Blue (83%)



Red (22%)

Yellow (47%)

Blue (83%)

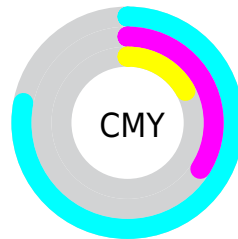


Cyan (73%)

Magenta (20%)

Yellow (0%)

Black (17%)



Cyan (78%)


Magenta (34%)


Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.5492, 0.2147, 0.2629 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 33.5492, 0.2147, 0.2629 by changing the saturation by 10% instead.


 33.5492, 0.2147,
0.2629

 33.5492, 0.2147,
0.2629


318.1172, 0.2640,
0.2981


 22.5475, 0.2026,
0.2536


 65.2320, 0.2325,
0.2761


 14.2597, 0.1872,
0.2414


 86.6819, 0.2393,
0.2810

 8.3015, 0.1673,
0.2250


 112.3834, 0.2450,
0.2850

 4.2885, 0.1408,
0.2018

 142.7207, 0.2499,
0.2884

 1.8362, 0.1050,
0.1678

 178.0784, 0.2541,
0.2914

 0.5096, 0.0145,
0.1118

218.8408, 0.2578,

 0.0000, 0.0000,

0.2939

0.0000

265.3923, 0.2611,
0.2962

■ 33.5492, 0.2147,
0.2629

■ 33.5492, 0.2147,
0.2629

■ 30.9476, 0.2071,
0.2524

■ 36.5070, 0.2242,
0.2733

■ 28.6628, 0.2016,
0.2420

■ 39.8474, 0.2355,
0.2836

■ 27.2863, 0.1987,
0.2352

■ 43.5976, 0.2483,
0.2934

■ 47.7808, 0.2622,
0.3027

■ 52.4185, 0.2770,
0.3114

■ 57.5303, 0.2922,
0.3194

■ 63.1345, 0.3075,
0.3267

■ 69.2484, 0.3228,
0.3333

■ 75.8883, 0.3378,
0.3391

Harmonies

Analogous

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



33.5492, 0.2193, 0.3033



33.5492, 0.2147, 0.2629



33.5492, 0.2329, 0.2438

Triad

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



33.5492, 0.2147, 0.2629



33.5492, 0.3798, 0.2989



33.5492, 0.3472, 0.4291

Complementary

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



33.5492, 0.2147, 0.2629



23.0946, 0.5198, 0.3744

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.



33.5492, 0.3944, 0.4170



33.5492, 0.2147, 0.2629



33.5492, 0.4158, 0.3405

Square

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



33.5492, 0.2147, 0.2629



33.5492, 0.3254, 0.2652



33.5492, 0.4206, 0.3830



33.5492, 0.2932, 0.4077

Rectangle

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



33.5492, 0.2147, 0.2629



33.5492, 0.2568, 0.2427



33.5492, 0.4206, 0.3830



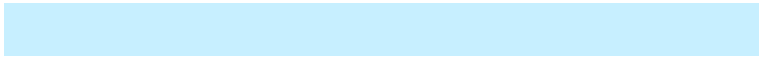
33.5492, 0.3644, 0.4285

Sweetspot

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



33.5504, 0.2147, 0.2629



81.3247, 0.2787, 0.3123



48.3096, 0.2862, 0.5099



16.9690, 0.2746, 0.3100



0.0000, 0.0000, 0.0000



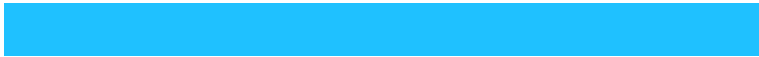
21.4041, 0.3127, 0.3290

Same Dimension

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



33.5504, 0.2147, 0.2629



45.4947, 0.2038, 0.2466



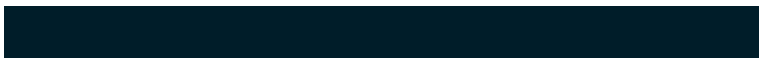
13.2536, 0.1839, 0.1413



12.8286, 0.2983, 0.3224



16.6459, 0.1991, 0.2367



1.0604, 0.2044, 0.2557

Inverse Universe

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



19.5207, 0.3768, 0.2081



26.0543, 0.3949, 0.2005



44.7492, 0.4386, 0.4577



11.9507, 0.3180, 0.3124



9.7517, 0.4056, 0.2008



0.5583, 0.3866, 0.1904

Previews

White Background



This preview shows how the Yxy color 33.5492, 0.2147, 0.2629 looks on a white background.

Color Contrast Check

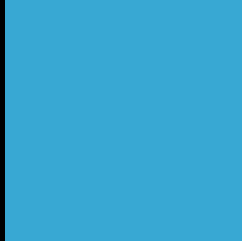
Large Text (above 18pt) WCAG AA × Fail

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 33.5492, 0.2147, 0.2629 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 33.5492, 0.2147, 0.2629

Background



This preview shows how black text looks on a background with the Yxy color 33.5492, 0.2147, 0.2629.

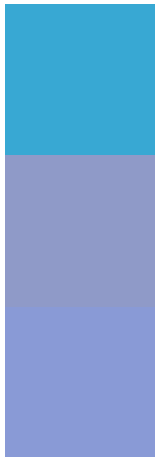


This preview shows how white text looks on a background with the Yxy color 33.5492, 0.2147, 0.2629.

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

33.5492, 0.2147, 0.2629

Protanopia

33.1210, 0.2650, 0.2635

Deuteranopia

33.2846, 0.2509, 0.2456



Tritanopia

33.4075, 0.2223, 0.3055

Trichromacy



Original Color

33.5492, 0.2147, 0.2629

Protanomaly

32.5354, 0.2403, 0.2619

Deuteranomaly

32.7885, 0.2334, 0.2502

Tritanomaly

33.5795, 0.2195, 0.2901

Monochromacy



Original Color

33.5492, 0.2147, 0.2629

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

27.7805, 0.2624, 0.3037

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.5492, 0.2147, 0.2629 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(56, 168, 211)` looks like.

```
.text, #text, p{  
    color:rgb(56, 168, 211)  
}
```

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(56, 168, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 168, 211) }
```

Border

The CSS property to change the border of an element to Yxy 33.5492, 0.2147, 0.2629 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(56, 168, 211) }
```

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

```
.border{ border-color:rgb(56, 168, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 168, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 168, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 168, 211);  
box-shadow:4px 4px 4px 4px rgb(56, 168,  
211) }
```


Background

The CSS property to change the background color of an element to Yxy 33.5492, 0.2147, 0.2629 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 168, 211) }
```

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

```
.background{ background-color: rgb(56, 168,  
211) }
```

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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