

Converting Colors

$Y_{xy}(33.3570, 0.2193, 0.2727)$

Have a look what the booklet for
Yxy(33.3570, 0.2193, 0.2727)
contains.

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Color

Yxy(33.3570, 0.2193, 0.2727)

Conversions

Conversions Part 1

Format	Color
Hex	3DA8CC
RGB	61, 168, 204
RGB Percent	24%, 66%, 80%
CMY	0.7607, 0.3412, 0.2001
CMYK	0.70, 0.18, 0.00, 0.20
HSL	195°, 58%, 52%
HSV	195°, 70%, 80%
XYZ	26.8250, 33.3570, 62.1392
YIQ	140.1110, -75.3280, -11.4880

Conversions

Conversions Part 2

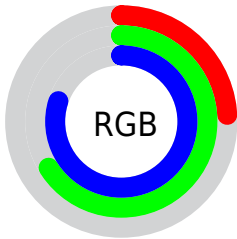
Format	Color
RYB	61, 122, 204
Decimal	4040908
CIELab	64.45, -18.79, -27.19
CIELCh	64, 33.050, 235.352
Yxy	33.3570, 0.2193, 0.2727
Android (android.graphics.Color)	4282230988 (0xFF3DA8CC)
YUV	140.1110, 31.4973, -69.3803
Hunter-Lab	57.7555, -18.1663, -23.3613

Details

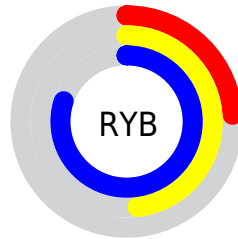
The Yxy color **33.3570, 0.2193, 0.2727** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle muted azure. A complement of this color would be **21.7219, 0.5108, 0.3696**, and the grayscale version is **26.1710, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.3553, 0.2388, 0.2906**, and **14.6928, 0.2043, 0.2555** is the 20% darker color. If you saturate the color by 10%, you get **30.9707, 0.2114, 0.2633**, and if you desaturate by 10%, it is **36.0666, 0.2291, 0.2820**.

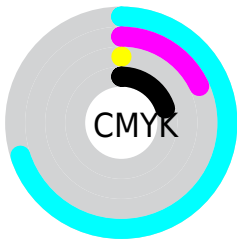
Distribution



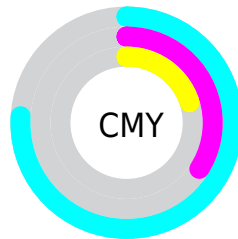
- Red (24%)
- Green (66%)
- Blue (80%)



- Red (24%)
- Yellow (48%)
- Blue (80%)



- Cyan (70%)
- Magenta (18%)
- Yellow (0%)
- Black (20%)





- Cyan (76%)
- Magenta (34%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.3570, 0.2193, 0.2727 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 33.3570, 0.2193, 0.2727 by changing the saturation by 10% instead.


 33.3570, 0.2193,
0.2727


 33.3570, 0.2193,
0.2727


317.2553, 0.2665,
0.3031


 22.4001, 0.2076,
0.2645


 64.9325, 0.2365,
0.2842


 14.1512, 0.1926,
0.2537


 86.3198, 0.2429,
0.2884

 8.2259, 0.1731,
0.2388


 111.9528, 0.2484,
0.2919

 4.2398, 0.1468,
0.2175

 142.2157, 0.2531,
0.2948

 1.8086, 0.1106,
0.1850

 177.4931, 0.2571,
0.2974

 0.4925, 0.0025,
0.1291

218.1692, 0.2607,

 0.0000, 0.0000,

0.2995

0.0000

264.6285, 0.2638,
0.3014

■ 33.3570, 0.2193,
0.2727

■ 33.3570, 0.2193,
0.2727

■ 30.9707, 0.2114,
0.2633

■ 36.0666, 0.2291,
0.2820

■ 28.8737, 0.2056,
0.2539

■ 39.1217, 0.2405,
0.2911

■ 27.0252, 0.2013,
0.2448

■ 42.5464, 0.2534,
0.2997

■ 46.3611, 0.2674,
0.3079

■ 50.5845, 0.2821,
0.3156

■ 55.2342, 0.2973,
0.3226

■ 60.3263, 0.3126,
0.3290

■ 65.8762, 0.3278,
0.3347

■ 71.8984, 0.3427,
0.3398

Harmonies

Analogous

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



33.3570, 0.2279, 0.3142



33.3570, 0.2193, 0.2727



33.3570, 0.2326, 0.2505

Triad

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



33.3570, 0.2193, 0.2727



33.3570, 0.3669, 0.2940



33.3570, 0.3547, 0.4229

Complementary

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



33.3570, 0.2193, 0.2727



21.7219, 0.5108, 0.3696

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.



33.3570, 0.3961, 0.4073



33.3570, 0.2193, 0.2727



33.3570, 0.4051, 0.3326

Square

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



33.3570, 0.2193, 0.2727



33.3570, 0.3149, 0.2641



33.3570, 0.4156, 0.3732



33.3570, 0.3040, 0.4086

Rectangle

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



33.3570, 0.2193, 0.2727



33.3570, 0.2529, 0.2470



33.3570, 0.4156, 0.3732



33.3570, 0.3702, 0.4205

Sweetspot

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



33.3582, 0.2193, 0.2727



82.9206, 0.2803, 0.3147



45.0285, 0.2874, 0.5043



17.3196, 0.2762, 0.3126



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.



33.3582, 0.2193, 0.2727



49.5035, 0.2082, 0.2586



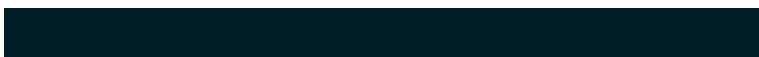
13.8575, 0.1901, 0.1543



12.2303, 0.2983, 0.3230



17.1682, 0.2017, 0.2461



1.0020, 0.2067, 0.2642

Inverse Universe

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



19.0022, 0.3673, 0.2075



27.0535, 0.3827, 0.1969



41.2668, 0.4356, 0.4518



11.3536, 0.3175, 0.3118



9.5361, 0.3962, 0.1956



0.5037, 0.3784, 0.1858

Previews

White Background



This preview shows how the Yxy color 33.3570, 0.2193, 0.2727 looks on a white background.

Color Contrast Check

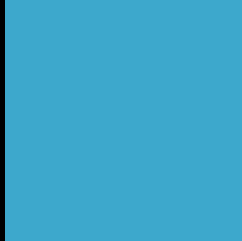
Large Text (above 18pt) WCAG AA × Fail

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 33.3570, 0.2193, 0.2727 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

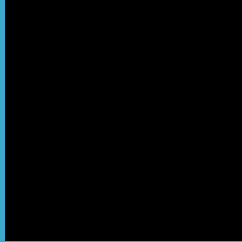
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.3570, 0.2193, 0.2727

Background



This preview shows how black text looks on a background with the Yxy color 33.3570, 0.2193, 0.2727.

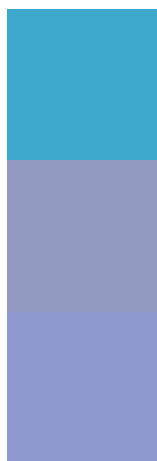


This preview shows how white text looks on a background with the Yxy color 33.3570, 0.2193, 0.2727.

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

33.3570, 0.2193, 0.2727

Protanopia

33.1172, 0.2718, 0.2716

Deuteranopia

32.9502, 0.2583, 0.2531



Tritanopia

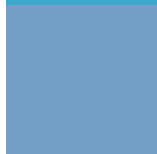
33.2570, 0.2255, 0.3056

Trichromacy



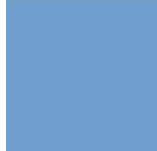
Original Color

33.3570, 0.2193, 0.2727



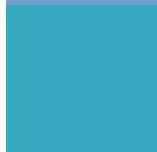
Protanomaly

32.5183, 0.2465, 0.2703



Deuteranomaly

32.3547, 0.2395, 0.2579



Tritanomaly

33.3121, 0.2232, 0.2932

Monochromacy



Original Color

33.3570, 0.2193, 0.2727



Achromatopsia

26.2251, 0.3127, 0.3290



Achromatomaly

27.8365, 0.2655, 0.3070

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.3570, 0.2193, 0.2727 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(61, 168, 204)` looks like.

```
.text, #text, p{  
    color:rgb(61, 168, 204)  
}
```

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(61, 168, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 168, 204) }
```

Border

The CSS property to change the border of an element to Yxy 33.3570, 0.2193, 0.2727 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(61, 168, 204) }
```

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

```
.border{ border-color:rgb(61, 168, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 168, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 168, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 168, 204);  
box-shadow:4px 4px 4px 4px rgb(61, 168,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 33.3570, 0.2193, 0.2727 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 168, 204) }
```

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

```
.background{ background-color: rgb(61, 168,  
204) }
```

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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