

Converting Colors

$Y_{xy}(33.3039, 0.2114, 0.2749)$

Have a look what the booklet for
Yxy(33.3039, 0.2114, 0.2749)
contains.

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Color

Yxy(33.2685, 0.2113, 0.2748)

Conversions

Conversions Part 1

Format	Color
Hex	15AACC
RGB	21, 170, 204
RGB Percent	8%, 67%, 80%
CMY	0.9187, 0.3333, 0.1999
CMYK	0.90, 0.17, 0.00, 0.20
HSL	191°, 82%, 44%
HSV	191°, 90%, 80%
XYZ	25.5809, 33.2685, 62.2150
YIQ	129.3250, -99.7180, -21.0140

Conversions

Conversions Part 2

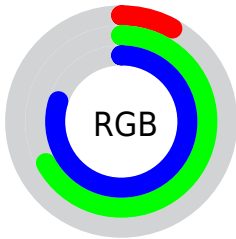
Format	Color
R_{YB}	21, 103, 204
Decimal	1419980
CIE _{Lab}	64.38, -23.63, -27.38
CIE _{LCh}	64, 36.169, 229.199
Yxy	33.2685, 0.2113, 0.2748
Android (android.graphics.Color)	4279610060 (0xFF15AACC)
YUV	129.3250, 36.8148, -95.0010
Hunter-Lab	57.6789, -21.7722, -23.5777

Details

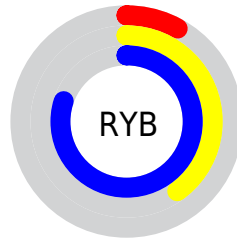
The Yxy color **33.2685, 0.2113, 0.2748** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **15.6038, 0.5956, 0.3521**, and the grayscale version is **21.9416, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.1346, 0.2321, 0.2924**, and **15.1589, 0.2056, 0.2601** is the 20% darker color. If you saturate the color by 10%, you get **31.7157, 0.2079, 0.2682**, and if you desaturate by 10%, it is **35.0279, 0.2163, 0.2815**.

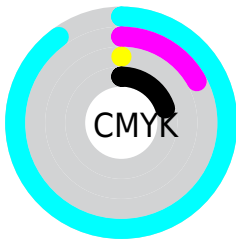
Distribution



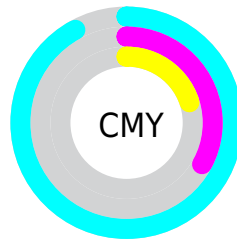
- Red (8%)
- Green (67%)
- Blue (80%)



- Red (8%)
- Yellow (40%)
- Blue (80%)



- Cyan (90%)
- Magenta (17%)
- Yellow (0%)
- Black (20%)



- Cyan (92%)
- Magenta (33%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.2685, 0.2113, 0.2748 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 33.2685, 0.2113, 0.2748 by changing the saturation by 10% instead.

33.2685, 0.2113,
0.2748

33.2685, 0.2113,
0.2748

316.8579, 0.2624,
0.3045

22.3322, 0.1987,
0.2667

64.7945, 0.2298,
0.2861

14.1012, 0.1828,
0.2559

86.1530, 0.2368,
0.2902

8.1911, 0.1621,
0.2410

111.7544, 0.2427,
0.2936

4.2175, 0.1346,
0.2194

141.9830, 0.2477,
0.2965

1.7959, 0.0975,
0.1863

177.2232, 0.2521,
0.2989

0.4846, 0.0000,
0.1272

217.8595, 0.2560,

0.0000, 0.0000,

0.3010

0.0000

264.2763, 0.2594,
0.3029

■ 33.2685, 0.2113,
0.2748

■ 33.2685, 0.2113,
0.2748

■ 31.7157, 0.2079,
0.2682

■ 35.0279, 0.2163,
0.2815

■ 31.6905, 0.2078,
0.2681

■ 37.0447, 0.2233,
0.2882

■ 39.3499, 0.2322,
0.2949

■ 41.9688, 0.2428,
0.3014

■ 44.9236, 0.2549,
0.3077

■ 48.2343, 0.2684,
0.3137

■ 51.9191, 0.2827,
0.3192

■ 55.9949, 0.2977,
0.3244

■ 60.4775, 0.3130,
0.3291

Harmonies

Analogous

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



33.2685, 0.2253, 0.3236



33.2685, 0.2113, 0.2748



33.2685, 0.2209, 0.2466

Triad

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



33.2685, 0.2113, 0.2748



33.2685, 0.3608, 0.2833



33.2685, 0.3686, 0.4307

Complementary

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



33.2685, 0.2113, 0.2748



15.6038, 0.5956, 0.3521

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.



33.2685, 0.4103, 0.4073



33.2685, 0.2113, 0.2748



33.2685, 0.4076, 0.3234

Square

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



33.2685, 0.2113, 0.2748



33.2685, 0.3030, 0.2538



33.2685, 0.4258, 0.3675



33.2685, 0.3141, 0.4230

Rectangle

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



33.2685, 0.2113, 0.2748



33.2685, 0.2398, 0.2401



33.2685, 0.4258, 0.3675



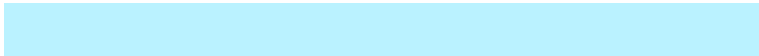
33.2685, 0.3847, 0.4257

Sweetspot

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



33.2697, 0.2113, 0.2748



81.3140, 0.2718, 0.3151



43.6238, 0.2933, 0.5668



16.9727, 0.2670, 0.3131



0.0000, 0.0000, 0.0000



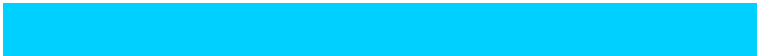
21.4041, 0.3127, 0.3290

Same Dimension

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



33.2697, 0.2113, 0.2748



52.1716, 0.2076, 0.2672



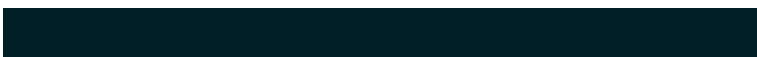
10.0781, 0.1697, 0.1223



12.3592, 0.2983, 0.3246



20.0681, 0.2081, 0.2690



1.1294, 0.2117, 0.2820

Inverse Universe

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



16.2704, 0.3678, 0.1845



25.7979, 0.3755, 0.1842



33.4474, 0.4769, 0.4516



11.3666, 0.3166, 0.3103



9.8289, 0.3738, 0.1833



0.5166, 0.3617, 0.1766

Previews

White Background



This preview shows how the Yxy color 33.2685, 0.2113, 0.2748 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 33.2685, 0.2113, 0.2748 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

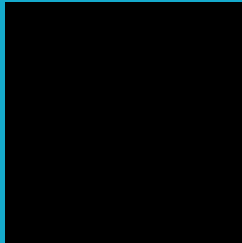
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.2685, 0.2113, 0.2748

Background



This preview shows how black text looks on a background with the Yxy color 33.2685, 0.2113, 0.2748.

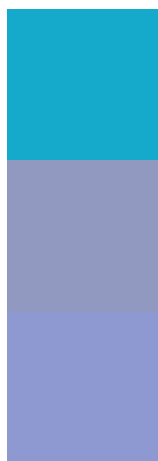


This preview shows how white text looks on a background with the Yxy color 33.2685, 0.2113, 0.2748.

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

33.2685, 0.2113, 0.2748

Protanopia

32.6992, 0.2732, 0.2727

Deuteranopia

32.9993, 0.2577, 0.2519



Tritanopia

33.0502, 0.2181, 0.3053

Trichromacy



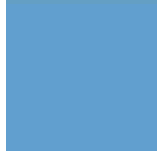
Original Color

33.2685, 0.2113, 0.2748



Protanomaly

31.4911, 0.2382, 0.2716



Deuteranomaly

31.8427, 0.2304, 0.2566



Tritanomaly

33.0277, 0.2152, 0.2926

Monochromacy



Original Color

33.2685, 0.2113, 0.2748



Achromatopsia

21.9526, 0.3127, 0.3290



Achromatomaly

24.5205, 0.2529, 0.3072

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.2685, 0.2113, 0.2748 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(21, 170, 204)` looks like.

```
.text, #text, p{  
    color:rgb(21, 170, 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(21, 170, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 170, 204) }
```

Border

The CSS property to change the border of an element to Yxy 33.2685, 0.2113, 0.2748 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(21, 170, 204) }
```

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

```
.border{ border-color:rgb(21, 170, 204) }
```

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

Here you see how a box with a 4 pixel rgb(21, 170, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 170, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 170, 204);  
box-shadow:4px 4px 4px 4px rgb(21, 170,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 33.2685, 0.2113, 0.2748 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 170, 204) }
```

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

```
.background{ background-color: rgb(21, 170,  
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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