

Converting Colors

$Yxy(33.7866, 0.2086, 0.2626)$

Have a look what the booklet for
Yxy(33.7866, 0.2086, 0.2626)
contains.

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Color

Yxy(33.7866, 0.2086, 0.2626)

Conversions

Conversions Part 1

Format	Color
Hex	1BAAD5
RGB	27, 170, 213
RGB Percent	11%, 67%, 84%
CMY	0.8930, 0.3333, 0.1648
CMYK	0.87, 0.20, 0.00, 0.16
HSL	194°, 77%, 47%
HSV	194°, 87%, 84%
XYZ	26.8389, 33.7866, 68.0364
YIQ	132.1450, -99.0310, -16.9430

Conversions

Conversions Part 2

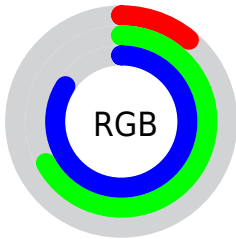
Format	Color
R_{YB}	27, 108, 213
Decimal	1813205
CIE _{Lab}	64.79, -20.22, -31.69
CIE _{LCh}	65, 37.586, 237.462
Yxy	33.7866, 0.2086, 0.2626
Android (android.graphics.Color)	4280003285 (0xFF1BAAD5)
YUV	132.1450, 39.8615, -92.2122
Hunter-Lab	58.1262, -19.3014, -28.7102

Details

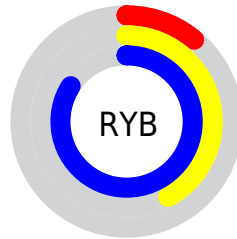
The Yxy color **33.7866, 0.2086, 0.2626** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle washed azure. A complement of this color would be **18.6344, 0.5788, 0.3615**, and the grayscale version is **23.0399, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.3216, 0.2332, 0.2925**, and **15.4255, 0.2016, 0.2459** is the 20% darker color. If you saturate the color by 10%, you get **31.7761, 0.2043, 0.2541**, and if you desaturate by 10%, it is **36.0761, 0.2147, 0.2712**.

Distribution



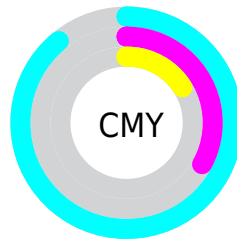
- Red (11%)
- Green (67%)
- Blue (84%)



- Red (11%)
- Yellow (42%)
- Blue (84%)



- Cyan (87%)
- Magenta (20%)
- Yellow (0%)
- Black (16%)



- Cyan (89%)
- Magenta (33%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.7866, 0.2086, 0.2626 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 33.7866, 0.2086, 0.2626 by changing the saturation by 10% instead.

■ 33.7866, 0.2086,
0.2626

■ 33.7866, 0.2086,
0.2626

■ 319.1795, 0.2607,
0.2982

■ 22.7297, 0.1959,
0.2532

■ 65.6017, 0.2274,
0.2760

■ 14.3941, 0.1799,
0.2409

■ 87.1287, 0.2345,
0.2809

■ 8.3952, 0.1593,
0.2242

■ 112.9144, 0.2405,
0.2850

■ 4.3489, 0.1323,
0.2007

■ 143.3434, 0.2457,
0.2884

■ 1.8706, 0.0963,
0.1663

■ 178.8001, 0.2502,
0.2914

■ 0.5306, 0.0023,
0.1121

219.6687, 0.2541,

■ 0.0000, 0.0000,

0.2939

0.0000

266.3337, 0.2576,
0.2962

■ 33.7866, 0.2086,
0.2626

■ 33.7866, 0.2086,
0.2626

■ 31.7761, 0.2043,
0.2541

■ 36.0761, 0.2147,
0.2712

■ 31.2401, 0.2033,
0.2517

■ 38.6838, 0.2229,
0.2798

■ 41.6427, 0.2328,
0.2882

■ 44.9803, 0.2445,
0.2964

■ 48.7210, 0.2575,
0.3043

■ 52.8866, 0.2716,
0.3117

■ 57.4975, 0.2864,
0.3185

■ 62.5723, 0.3017,
0.3248

■ 68.1286, 0.3170,
0.3305

Harmonies

Analogous

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



33.7866, 0.2162, 0.3076



33.7866, 0.2086, 0.2626



33.7866, 0.2250, 0.2401

Triad

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



33.7866, 0.2086, 0.2626



33.7866, 0.3778, 0.2923



33.7866, 0.3554, 0.4358

Complementary

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



33.7866, 0.2086, 0.2626



18.6344, 0.5788, 0.3615

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.



33.7866, 0.4037, 0.4187



33.7866, 0.2086, 0.2626



33.7866, 0.4194, 0.3354

Square

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



33.7866, 0.2086, 0.2626



33.7866, 0.3190, 0.2584



33.7866, 0.4284, 0.3805



33.7866, 0.2982, 0.4177

Rectangle

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



33.7866, 0.2086, 0.2626



33.7866, 0.2484, 0.2375



33.7866, 0.4284, 0.3805



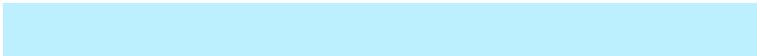
33.7866, 0.3732, 0.4335

Sweetspot

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



33.7878, 0.2086, 0.2626



80.1187, 0.2730, 0.3123



48.2213, 0.2910, 0.5551



16.6590, 0.2679, 0.3098



0.0000, 0.0000, 0.0000



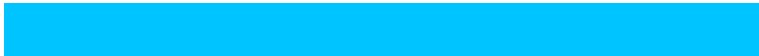
21.4041, 0.3127, 0.3290

Same Dimension

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



33.7878, 0.2086, 0.2626



46.6940, 0.2030, 0.2509



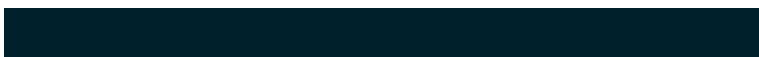
10.7613, 0.1698, 0.1192



13.5979, 0.2982, 0.3235



19.2509, 0.2036, 0.2530



1.2824, 0.2077, 0.2676

Inverse Universe

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



17.8406, 0.3791, 0.1928



25.2449, 0.3913, 0.1929



39.4880, 0.4665, 0.4575



12.5812, 0.3173, 0.3113



10.2882, 0.3893, 0.1918



0.6328, 0.3751, 0.1840

Previews

White Background



This preview shows how the Yxy color 33.7866, 0.2086, 0.2626 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 33.7866, 0.2086, 0.2626 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 33.7866, 0.2086, 0.2626

Background



This preview shows how black text looks on a background with the Yxy color 33.7866, 0.2086, 0.2626.



This preview shows how white text looks on a background with the Yxy color 33.7866, 0.2086, 0.2626.

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

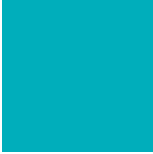
33.7866, 0.2086, 0.2626

Protanopia

33.2575, 0.2651, 0.2624

Deuteranopia

33.3552, 0.2483, 0.2419



Tritanopia

33.8600, 0.2187, 0.3071

Trichromacy



Original Color

33.7866, 0.2086, 0.2626



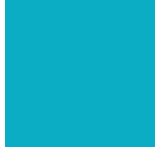
Protanomaly

32.3742, 0.2346, 0.2613



Deuteranomaly

32.5863, 0.2256, 0.2468



Tritanomaly

33.9372, 0.2150, 0.2915

Monochromacy



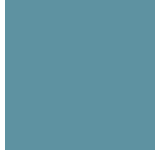
Original Color

33.7866, 0.2086, 0.2626



Achromatopsia

23.0740, 0.3127, 0.3290



Achromatomaly

25.5107, 0.2528, 0.3024

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.7866, 0.2086, 0.2626 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(27, 170, 213)` looks like.

```
.text, #text, p{  
    color:rgb(27, 170, 213)  
}
```

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(27, 170, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 170, 213) }
```

Border

The CSS property to change the border of an element to Yxy 33.7866, 0.2086, 0.2626 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(27, 170, 213) }
```

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

```
.border{ border-color:rgb(27, 170, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(27, 170, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 170, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 170, 213);  
box-shadow:4px 4px 4px 4px rgb(27, 170,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 33.7866, 0.2086, 0.2626 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 170, 213) }
```

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

```
.background{ background-color: rgb(27, 170,  
213) }
```

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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