

Converting Colors

$Y_{xy}(31.1224, 0.2011, 0.3061)$

Have a look what the booklet for
Yxy(31.1224, 0.2011, 0.3061)
contains.

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Color

Yxy(32.5865, 0.2186, 0.3068)

Conversions

Conversions Part 1

Format	Color
Hex	01ABB8
RGB	1, 171, 184
RGB Percent	0%, 67%, 72%
CMY	0.9980, 0.3294, 0.2785
CMYK	1.00, 0.07, 0.00, 0.28
HSL	184°, 99%, 36%
HSV	184°, 100%, 72%
XYZ	23.2184, 32.5865, 50.4092
YIQ	121.6520, -105.4930, -31.9970

Conversions

Conversions Part 2

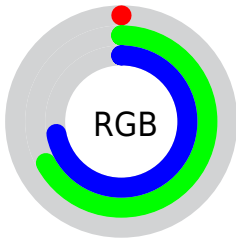
Format	Color
R _Y B	1, 89, 184
Decimal	109496
CIE Lab	63.82, -31.51, -17.09
CIE LCh	64, 35.848, 208.475
Yxy	32.5865, 0.2186, 0.3068
Android (android.graphics.Color)	4278299576 (0xFF01ABB8)
YUV	121.6520, 30.7376, -105.8118
Hunter-Lab	57.0846, -27.2955, -12.3975

Details

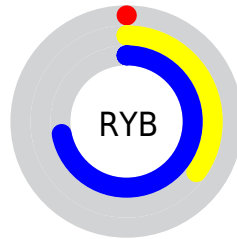
The Yxy color **32.5865, 0.2186, 0.3068** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **10.4918, 0.6343, 0.3341**, and the grayscale version is **19.2156, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.8821, 0.2365, 0.3125**, and **14.5956, 0.2162, 0.2985** is the 20% darker color. If you saturate the color by 10%, you get **32.5706, 0.2185, 0.3067**, and if you desaturate by 10%, it is **33.2168, 0.2208, 0.3091**.

Distribution



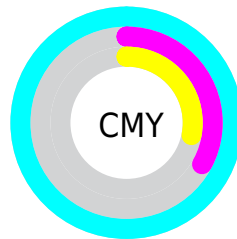
- Red (0%)
- Green (67%)
- Blue (72%)



- Red (0%)
- Yellow (35%)
- Blue (72%)



- Cyan (100%)
- Magenta (7%)
- Yellow (0%)
- Black (28%)





- Cyan (100%)
- Magenta (33%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.5865, 0.2186, 0.3068 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 32.5865, 0.2186, 0.3068 by changing the saturation by 10% instead.


 32.5865, 0.2186,
0.3068


 32.5865, 0.2186,
0.3068


313.7823, 0.2666,
0.3201


 21.8099, 0.2065,
0.3027


 63.7294, 0.2362,
0.3122


 13.7173, 0.1909,
0.2969


 84.8645, 0.2428,
0.3141


 7.9243, 0.1703,
0.2884

 110.2212, 0.2483,
0.3156

 4.0465, 0.1422,
0.2749

 140.1838, 0.2531,
0.3168

 1.6996, 0.1014,
0.2513

 175.1369, 0.2571,
0.3178

 0.4234, 0.0000,
0.1875

215.4647, 0.2607,

 0.0000, 0.0000,

0.3187

0.0000

261.5517, 0.2639,
0.3195

■ 32.5865, 0.2186,
0.3068

■ 32.5865, 0.2186,
0.3068

■ 32.5706, 0.2185,
0.3067

■ 33.2168, 0.2208,
0.3091

■ 33.9781, 0.2245,
0.3115

■ 34.9160, 0.2300,
0.3139

■ 36.0533, 0.2373,
0.3163

■ 37.4092, 0.2465,
0.3187

■ 39.0005, 0.2574,
0.3210

■ 40.8425, 0.2698,
0.3232

■ 42.9491, 0.2834,
0.3253

■ 45.3332, 0.2980,
0.3272

Harmonies

Analogous

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



32.5865, 0.2485, 0.3637



32.5865, 0.2186, 0.3068



32.5865, 0.2120, 0.2638

Triad

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



32.5865, 0.2186, 0.3068



32.5865, 0.3208, 0.2615



32.5865, 0.3995, 0.4168

Complementary

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



32.5865, 0.2186, 0.3068



10.4918, 0.6343, 0.3341

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.



32.5865, 0.4242, 0.3806



32.5865, 0.2186, 0.3068



32.5865, 0.3773, 0.2949

Square

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



32.5865, 0.2186, 0.3068



32.5865, 0.2668, 0.2427



32.5865, 0.4166, 0.3370



32.5865, 0.3524, 0.4320

Rectangle

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



32.5865, 0.2186, 0.3068



32.5865, 0.2206, 0.2472



32.5865, 0.4166, 0.3370



32.5865, 0.4109, 0.4064

Sweetspot

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



32.5877, 0.2186, 0.3068



73.7664, 0.2688, 0.3230



34.3100, 0.2988, 0.5955



15.5924, 0.2635, 0.3221



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



32.5877, 0.2186, 0.3068



58.8987, 0.2184, 0.3064



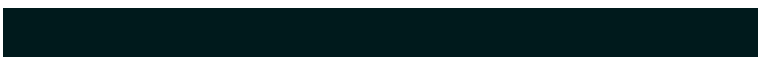
9.2042, 0.1714, 0.1369



10.0988, 0.2985, 0.3273



22.4926, 0.2186, 0.3070



0.8257, 0.2203, 0.3131

Inverse Universe

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



13.1408, 0.3395, 0.1645



23.7854, 0.3399, 0.1646



20.1893, 0.5207, 0.4245



9.1515, 0.3148, 0.3080



9.0530, 0.3393, 0.1643



0.3224, 0.3341, 0.1614

Previews

White Background



This preview shows how the Yxy color 32.5865, 0.2186, 0.3068 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 32.5865, 0.2186, 0.3068 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

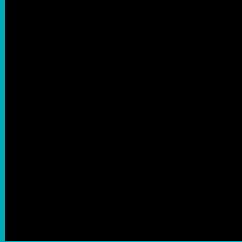
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.5865, 0.2186, 0.3068

Background



This preview shows how black text looks on a background with the Yxy color 32.5865, 0.2186, 0.3068.



This preview shows how white text looks on a background with the Yxy color 32.5865, 0.2186, 0.3068.

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

32.5930, 0.2186, 0.3068

Protanopia

32.3403, 0.2938, 0.3007

Deuteranopia

32.0661, 0.2796, 0.2729



Tritanopia

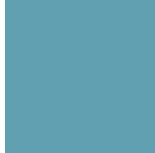
32.6867, 0.2188, 0.3052

Trichromacy



Original Color

32.5930, 0.2186, 0.3068



Protanomaly

30.7630, 0.2482, 0.3026



Deuteranomaly

30.5284, 0.2407, 0.2825



Tritanomaly

32.6673, 0.2186, 0.3052

Monochromacy



Original Color

32.5930, 0.2186, 0.3068



Achromatopsia

19.4618, 0.3127, 0.3290



Achromatomaly

22.4202, 0.2510, 0.3192

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.5865, 0.2186, 0.3068 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(1, 171, 184)` looks like.

```
.text, #text, p{  
    color:rgb(1, 171, 184)  
}
```

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(1, 171, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 171, 184) }
```

Border

The CSS property to change the border of an element to Yxy 32.5865, 0.2186, 0.3068 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(1, 171, 184) }
```

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

```
.border{ border-color:rgb(1, 171, 184) }
```

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

Here you see how a box with a 4 pixel rgb(1, 171, 184) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 171, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 171, 184);  
box-shadow:4px 4px 4px 4px rgb(1, 171,  
184) }
```


Background

The CSS property to change the background color of an element to Yxy 32.5865, 0.2186, 0.3068 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 171, 184) }
```

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

```
.background{ background-color: rgb(1, 171,  
184) }
```

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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