

Converting Colors

$Yxy(32.7027, 0.2176, 0.3034)$

Have a look what the booklet for
Yxy(32.7027, 0.2176, 0.3034)
contains.

Yxy(32.6710, 0.2177, 0.3036)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	29

Color

Yxy(32.6710, 0.2177, 0.3036)

Conversions

Conversions Part 1

Format	Color
Hex	00ABBA
RGB	0, 171, 186
RGB Percent	0%, 67%, 73%
CMY	0.9985, 0.3294, 0.2707
CMYK	1.00, 0.08, 0.00, 0.27
HSL	185°, 100%, 37%
HSV	185°, 100%, 73%
XYZ	23.4271, 32.6710, 51.5139
YIQ	121.5810, -106.7310, -31.5870

Conversions

Conversions Part 2

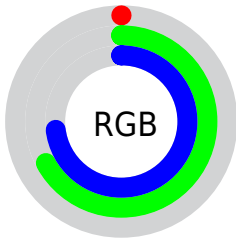
Format	Color
RYB	0, 89, 186
Decimal	43962
CIELab	63.89, -30.87, -18.09
CIElCh	64, 35.786, 210.373
Yxy	32.6710, 0.2177, 0.3036
Android (android.graphics.Color)	4278234042 (0xFF00ABBA)
YUV	121.5810, 31.7586, -106.6265
Hunter-Lab	57.1586, -26.8671, -13.4238

Details

The Yxy color **32.6710, 0.2177, 0.3036** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **10.7891, 0.6337, 0.3348**, and the grayscale version is **19.2765, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.0016, 0.2356, 0.3100**, and **14.6503, 0.2150, 0.2941** is the 20% darker color. If you saturate the color by 10%, you get **32.6584, 0.2177, 0.3035**, and if you desaturate by 10%, it is **33.3782, 0.2200, 0.3063**.

Distribution



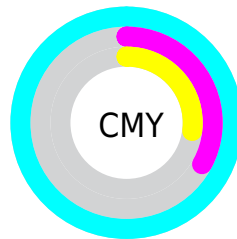
- Red (0%)
- Green (67%)
- Blue (73%)



- Red (0%)
- Yellow (35%)
- Blue (73%)



- Cyan (100%)
- Magenta (8%)
- Yellow (0%)
- Black (27%)





- Cyan (100%)
- Magenta (33%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.6710, 0.2177, 0.3036 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 32.6710, 0.2177, 0.3036 by changing the saturation by 10% instead.

 32.6710, 0.2177,
0.3036


 32.6710, 0.2177,
0.3036


314.1646, 0.2661,
0.3186


 21.8745, 0.2055,
0.2991


 63.8615, 0.2354,
0.3096

 13.7647, 0.1899,
0.2927


 85.0244, 0.2420,
0.3117


 7.9572, 0.1693,
0.2835


 110.4115, 0.2476,
0.3134

 4.0676, 0.1411,
0.2689

 140.4073, 0.2524,
0.3148

 1.7114, 0.1010,
0.2440

 175.3961, 0.2565,
0.3160

 0.4310, 0.0000,
0.1805

215.7623, 0.2601,

 0.0000, 0.0000,

0.3170

0.0000

261.8903, 0.2633,
0.3179

■ 32.6710, 0.2177,
0.3036

■ 32.6710, 0.2177,
0.3036

■ 32.6584, 0.2177,
0.3035

■ 33.3782, 0.2200,
0.3063

■ 34.2208, 0.2238,
0.3090

■ 35.2457, 0.2293,
0.3118

■ 36.4763, 0.2368,
0.3145

■ 37.9323, 0.2461,
0.3172

■ 39.6311, 0.2571,
0.3199

■ 41.5885, 0.2696,
0.3224

■ 43.8186, 0.2833,
0.3248

■ 46.3348, 0.2978,
0.3270

Harmonies

Analogous

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



32.6710, 0.2462, 0.3599



32.6710, 0.2177, 0.3036



32.6710, 0.2126, 0.2620

Triad

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



32.6710, 0.2177, 0.3036



32.6710, 0.3245, 0.2634



32.6710, 0.3969, 0.4184

Complementary

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



32.6710, 0.2177, 0.3036



10.7891, 0.6337, 0.3348

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.



32.6710, 0.4233, 0.3832



32.6710, 0.2177, 0.3036



32.6710, 0.3803, 0.2974

Square

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



32.6710, 0.2177, 0.3036



32.6710, 0.2699, 0.2436



32.6710, 0.4178, 0.3397



32.6710, 0.3489, 0.4316

Rectangle

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



32.6710, 0.2177, 0.3036



32.6710, 0.2221, 0.2463



32.6710, 0.4178, 0.3397



32.6710, 0.4087, 0.4083

Sweetspot

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



32.6722, 0.2177, 0.3036



75.1370, 0.2687, 0.3222



35.1401, 0.2988, 0.5956



16.2054, 0.2633, 0.3211



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



32.6722, 0.2177, 0.3036



59.0398, 0.2175, 0.3031



9.4022, 0.1713, 0.1366



10.0832, 0.2985, 0.3271



22.0286, 0.2178, 0.3039



0.8134, 0.2197, 0.3109

Inverse Universe

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



13.3849, 0.3423, 0.1660



24.2329, 0.3427, 0.1661



20.6529, 0.5210, 0.4244



9.1499, 0.3150, 0.3083



9.0061, 0.3420, 0.1658



0.3212, 0.3360, 0.1624

Previews

White Background



This preview shows how the Yxy color 32.6710, 0.2177, 0.3036 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 32.6710, 0.2177, 0.3036 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

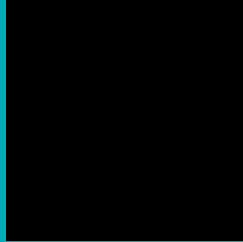
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.6710, 0.2177, 0.3036

Background



This preview shows how black text looks on a background with the Yxy color 32.6710, 0.2177, 0.3036.



This preview shows how white text looks on a background with the Yxy color 32.6710, 0.2177, 0.3036.

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

32.6710, 0.2177, 0.3036

Protanopia

32.4178, 0.2921, 0.2979

Deuteranopia

32.3788, 0.2772, 0.2716

Trichromacy



Original Color

32.6710, 0.2177, 0.3036

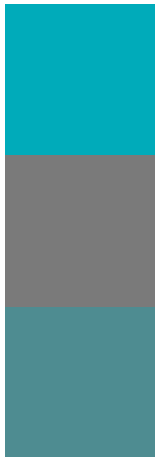
Protanomaly

30.8428, 0.2469, 0.2994

Deuteranomaly

30.6146, 0.2396, 0.2795

Monochromacy



Original Color

32.6710, 0.2177, 0.3036

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 32.6710, 0.2177, 0.3036 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(0, 171, 186)` looks like.

```
.text, #text, p{  
    color:rgb(0, 171, 186)  
}
```

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(0, 171, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 171, 186) }
```

Border

The CSS property to change the border of an element to Yxy 32.6710, 0.2177, 0.3036 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(0, 171, 186) }
```

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

```
.border{ border-color:rgb(0, 171, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 171, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 171, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 171, 186);  
box-shadow:4px 4px 4px 4px rgb(0, 171,  
186) }
```

Background

The CSS property to change the background color of an element to Yxy 32.6710, 0.2177, 0.3036 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 171, 186) }
```

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

```
.background{ background-color: rgb(0, 171,  
186) }
```

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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