

Converting Colors

$Y_{xy}(32.6696, 0.2215, 0.3173)$

Have a look what the booklet for
Yxy(32.6696, 0.2215, 0.3173)
contains.

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Color

Yxy(32.7194, 0.2218, 0.3185)

Conversions

Conversions Part 1

Format	Color
Hex	00ACB2
RGB	0, 172, 178
RGB Percent	0%, 67%, 70%
CMY	1.0000, 0.3255, 0.3020
CMYK	1.00, 0.03, 0.00, 0.30
HSL	182°, 100%, 35%
HSV	182°, 100%, 70%
XYZ	22.7854, 32.7194, 47.2248
YIQ	121.2560, -104.4380, -34.5980

Conversions

Conversions Part 2

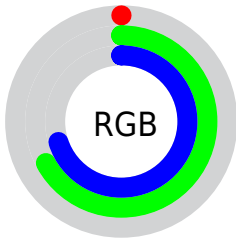
Format	Color
RYB	0, 87, 178
Decimal	44210
CIELab	63.93, -33.93, -13.58
CIELCh	64, 36.548, 201.805
Yxy	32.7194, 0.2218, 0.3185
Android (android.graphics.Color)	4278234290 (0xFF00ACB2)
YUV	121.2560, 27.9748, -106.3415
Hunter-Lab	57.2009, -28.9977, -8.9090

Details

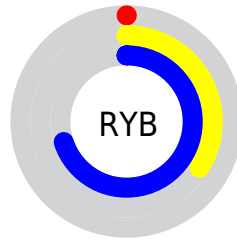
The Yxy color **32.7194, 0.2218, 0.3185** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **9.5928, 0.6375, 0.3320**, and the grayscale version is **19.1414, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.0240, 0.2389, 0.3212**, and **14.6743, 0.2207, 0.3145** is the 20% darker color. If you saturate the color by 10%, you get **32.7215, 0.2218, 0.3185**, and if you desaturate by 10%, it is **33.0762, 0.2237, 0.3196**.

Distribution



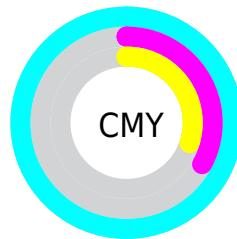
- Red (0%)
- Green (67%)
- Blue (70%)



- Red (0%)
- Yellow (34%)
- Blue (70%)



- Cyan (100%)
- Magenta (3%)
- Yellow (0%)
- Black (30%)




- Cyan (100%)
- Magenta (33%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.7194, 0.2218, 0.3185 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 32.7194, 0.2218, 0.3185 by changing the saturation by 10% instead.


 32.7194, 0.2218,
0.3185


 32.7194, 0.2218,
0.3185


314.3834, 0.2684,
0.3256


 21.9116, 0.2100,
0.3161


 63.9372, 0.2389,
0.3215

 13.7919, 0.1947,
0.3125

 85.1160, 0.2453,
0.3225

 7.9761, 0.1744,
0.3070


 110.5205, 0.2507,
0.3233

 4.0797, 0.1464,
0.2976

 140.5352, 0.2553,
0.3239

 1.7182, 0.1041,
0.2805

 175.5444, 0.2592,
0.3245

 0.4354, 0.0000,
0.2250

 215.9326, 0.2627,

 0.0000, 0.0000,

0.3249

0.0000

262.0842, 0.2657,
0.3252

■ 32.7194, 0.2218,
0.3185

■ 32.7194, 0.2218,
0.3185

■ 32.7215, 0.2218,
0.3185

■ 33.0762, 0.2237,
0.3196

■ 33.5464, 0.2268,
0.3207

■ 34.1763, 0.2318,
0.3218

■ 34.9866, 0.2387,
0.3229

■ 35.9953, 0.2474,
0.3240

■ 37.2178, 0.2579,
0.3251

■ 38.6683, 0.2699,
0.3262

■ 40.3595, 0.2832,
0.3272

■ 42.3034, 0.2976,
0.3281

Harmonies

Analogous

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



32.7194, 0.2570, 0.3772



32.7194, 0.2218, 0.3185



32.7194, 0.2098, 0.2705

Triad

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



32.7194, 0.2218, 0.3185



32.7194, 0.3079, 0.2547



32.7194, 0.4090, 0.4113

Complementary

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



32.7194, 0.2218, 0.3185



9.5928, 0.6375, 0.3320

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.



32.7194, 0.4275, 0.3717



32.7194, 0.2218, 0.3185



32.7194, 0.3665, 0.2858

Square

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



32.7194, 0.2218, 0.3185



32.7194, 0.2557, 0.2395



32.7194, 0.4120, 0.3271



32.7194, 0.3649, 0.4331

Rectangle

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



32.7194, 0.2218, 0.3185



32.7194, 0.2150, 0.2503



32.7194, 0.4120, 0.3271



32.7194, 0.4186, 0.3994

Sweetspot

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



32.7215, 0.2218, 0.3185



69.9897, 0.2692, 0.3261



31.8473, 0.2994, 0.5978



15.2538, 0.2641, 0.3257



91.1408, 0.3127, 0.3290



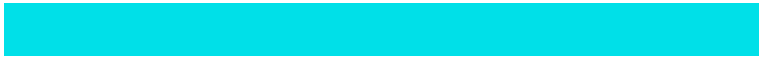
17.8868, 0.3127, 0.3290

Same Dimension

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



32.7215, 0.2218, 0.3185



59.2791, 0.2218, 0.3183



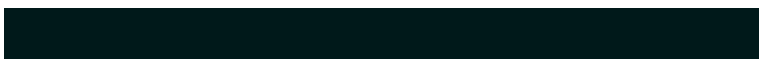
9.4092, 0.1743, 0.1473



9.5816, 0.2986, 0.3282



23.4366, 0.2218, 0.3186



0.7525, 0.2227, 0.3216

Inverse Universe

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



12.4419, 0.3295, 0.1589



22.5600, 0.3296, 0.1589



17.6339, 0.5306, 0.4169



8.6417, 0.3143, 0.3073



8.9061, 0.3294, 0.1588



0.2817, 0.3268, 0.1574

Previews

White Background



This preview shows how the Yxy color 32.7194, 0.2218, 0.3185 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 32.7194, 0.2218, 0.3185 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

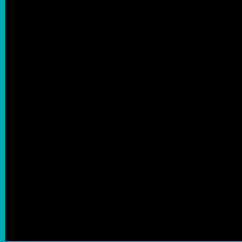
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.7194, 0.2218, 0.3185

Background



This preview shows how black text looks on a background with the Yxy color 32.7194, 0.2218, 0.3185.

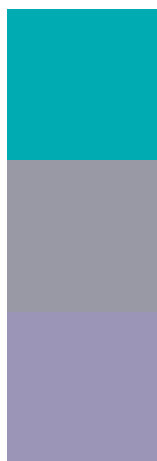


This preview shows how white text looks on a background with the Yxy color 32.7194, 0.2218, 0.3185.

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

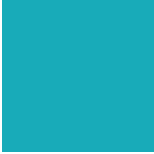
32.7194, 0.2218, 0.3185

Protanopia

32.3079, 0.3009, 0.3095

Deuteranopia

32.2002, 0.2881, 0.2814



Tritanopia

32.8228, 0.2204, 0.3053

Trichromacy



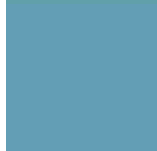
Original Color

32.7194, 0.2218, 0.3185



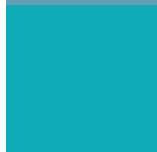
Protanomaly

30.5853, 0.2527, 0.3122



Deuteranomaly

30.4426, 0.2463, 0.2916



Tritanomaly

32.6048, 0.2207, 0.3101

Monochromacy



Original Color

32.7194, 0.2218, 0.3185



Achromatopsia

19.1202, 0.3127, 0.3290



Achromatomaly

22.2869, 0.2525, 0.3249

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.7194, 0.2218, 0.3185 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, 172, 178)` looks like.

```
.text, #text, p{  
    color:rgb(0, 172, 178)  
}
```

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, 172, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 172, 178) }
```

Border

The CSS property to change the border of an element to Yxy 32.7194, 0.2218, 0.3185 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, 172, 178) }
```

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

```
.border{ border-color:rgb(0, 172, 178) }
```

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

Here you see how a box with a 4 pixel rgb(0, 172, 178) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 172, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 172, 178);  
box-shadow:4px 4px 4px 4px rgb(0, 172,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 32.7194, 0.2218, 0.3185 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 172, 178) }
```

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

```
.background{ background-color: rgb(0, 172,  
178) }
```

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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