

Converting Colors

$Y_{xy}(36.0191, 0.2229, 0.3225)$

Have a look what the booklet for
Yxy(36.0191, 0.2229, 0.3225)
contains.

Yxy(36.1032, 0.2228, 0.3221)	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>	30

Color

Yxy(36.1032, 0.2228, 0.3221)

Conversions

Conversions Part 1

Format	Color
Hex	00B4B8
RGB	0, 180, 184
RGB Percent	0%, 71%, 72%
CMY	1.0000, 0.2941, 0.2783
CMYK	1.00, 0.02, 0.00, 0.28
HSL	181°, 100%, 36%
HSV	181°, 100%, 72%
XYZ	24.9730, 36.1032, 51.0108
YIQ	126.6360, -108.5640, -36.9160

Conversions

Conversions Part 2

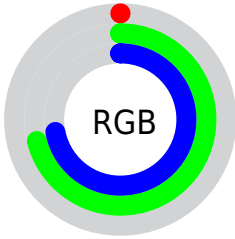
Format	Color
RYB	0, 91, 184
Decimal	46264
CIELab	66.60, -35.79, -12.92
CIELCh	67, 38.047, 199.854
Yxy	36.1032, 0.2228, 0.3221
Android (android.graphics.Color)	4278236344 (0xFF00B4B8)
YUV	126.6360, 28.2805, -111.0598
Hunter-Lab	60.0859, -30.9621, -8.2749

Details

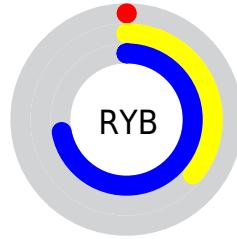
The Yxy color **36.1032, 0.2228, 0.3221** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **10.2802, 0.6385, 0.3312**, and the grayscale version is **21.0229, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.9915, 0.2393, 0.3238**, and **16.5604, 0.2215, 0.3174** is the 20% darker color. If you saturate the color by 10%, you get **36.1055, 0.2228, 0.3221**, and if you desaturate by 10%, it is **36.4004, 0.2245, 0.3228**.

Distribution



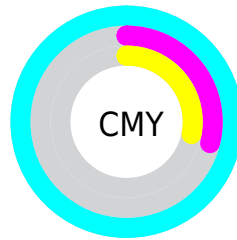
- Red (0%)
- Green (71%)
- Blue (72%)



- Red (0%)
- Yellow (36%)
- Blue (72%)



- Cyan (100%)
- Magenta (2%)
- Yellow (0%)
- Black (28%)





- Cyan (100%)
- Magenta (29%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.1032, 0.2228, 0.3221 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 36.1032, 0.2228, 0.3221 by changing the saturation by 10% instead.


 36.1032, 0.2228,
0.3221


 36.1032, 0.2228,
0.3221


329.4114, 0.2682,
0.3271


 24.5139, 0.2115,
0.3203


 69.1913, 0.2393,
0.3243

 15.7153, 0.1970,
0.3176


 91.4589, 0.2455,
0.3251


 9.3229, 0.1779,
0.3133


 118.0548, 0.2508,
0.3256

 4.9524, 0.1518,
0.3061

 149.3633, 0.2553,
0.3261

 2.2194, 0.1151,
0.2925

 185.7688, 0.2591,
0.3264

 0.7305, 0.0000,
0.2776

227.6557, 0.2625,

 0.0000, 0.0000,

0.3267

0.0000

275.4084, 0.2655,
0.3269

■ 36.1032, 0.2228,
0.3221

■ 36.1032, 0.2228,
0.3221

■ 36.1055, 0.2228,
0.3221

■ 36.4004, 0.2245,
0.3228

■ 36.8206, 0.2275,
0.3235

■ 37.4123, 0.2323,
0.3242

■ 38.1985, 0.2390,
0.3250

■ 39.1984, 0.2476,
0.3257

■ 40.4289, 0.2579,
0.3264

■ 41.9053, 0.2699,
0.3271

■ 43.6415, 0.2832,
0.3278

■ 45.6505, 0.2976,
0.3284

Harmonies

Analogous

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



36.1032, 0.2596, 0.3812



36.1032, 0.2228, 0.3221



36.1032, 0.2091, 0.2726

Triad

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



36.1032, 0.2228, 0.3221



36.1032, 0.3040, 0.2527



36.1032, 0.4118, 0.4097

Complementary

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



36.1032, 0.2228, 0.3221



10.2802, 0.6385, 0.3312

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.



36.1032, 0.4284, 0.3691



36.1032, 0.2228, 0.3221



36.1032, 0.3632, 0.2830

Square

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



36.1032, 0.2228, 0.3221



36.1032, 0.2524, 0.2386



36.1032, 0.4106, 0.3241



36.1032, 0.3686, 0.4333

Rectangle

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



36.1032, 0.2228, 0.3221



36.1032, 0.2134, 0.2512



36.1032, 0.4106, 0.3241



36.1032, 0.4208, 0.3973

Sweetspot

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



36.1055, 0.2228, 0.3221



75.8000, 0.2693, 0.3271



34.2965, 0.2997, 0.5989



16.0897, 0.2641, 0.3268



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.



36.1055, 0.2228, 0.3221



65.3851, 0.2228, 0.3220



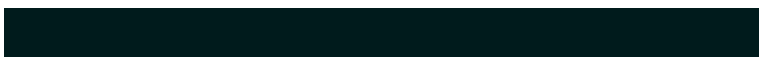
10.5969, 0.1757, 0.1523



10.1761, 0.2985, 0.3285



24.8915, 0.2228, 0.3222



0.8882, 0.2233, 0.3240

Inverse Universe

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



13.4884, 0.3264, 0.1572



24.4402, 0.3265, 0.1572



18.3914, 0.5358, 0.4128



9.1593, 0.3141, 0.3070



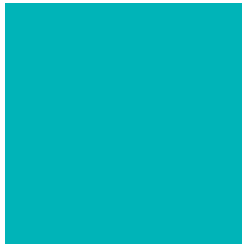
9.2952, 0.3264, 0.1572



0.3288, 0.3249, 0.1563

Previews

White Background



This preview shows how the Yxy color 36.1032, 0.2228, 0.3221 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 36.1032, 0.2228, 0.3221 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

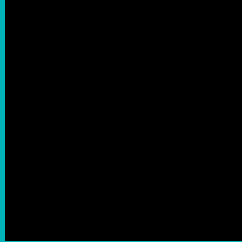
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

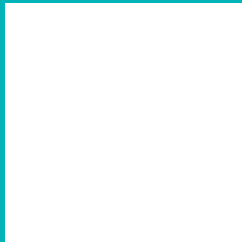
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 36.1032, 0.2228, 0.3221

Background



This preview shows how black text looks on a background with the Yxy color 36.1032, 0.2228, 0.3221.

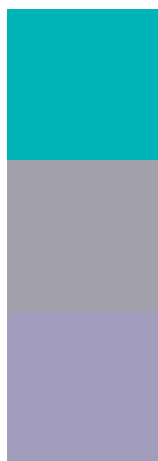


This preview shows how white text looks on a background with the Yxy color 36.1032, 0.2228, 0.3221.

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

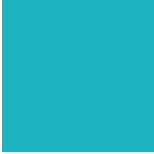
36.1032, 0.2228, 0.3221

Protanopia

35.6590, 0.3040, 0.3132

Deuteranopia

35.5746, 0.2907, 0.2846



Tritanopia

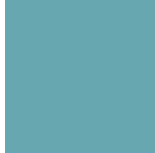
36.3373, 0.2210, 0.3063

Trichromacy



Original Color

36.1032, 0.2228, 0.3221



Protanomaly

33.5968, 0.2539, 0.3144



Deuteranomaly

33.4412, 0.2477, 0.2945



Tritanomaly

36.0865, 0.2211, 0.3109

Monochromacy



Original Color

36.1032, 0.2228, 0.3221



Achromatopsia

21.2231, 0.3127, 0.3290



Achromatomaly

24.4452, 0.2529, 0.3251

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.1032, 0.2228, 0.3221 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, 180, 184)` looks like.

```
.text, #text, p{  
    color:rgb(0, 180, 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(0, 180, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 180, 184) }
```

Border

The CSS property to change the border of an element to Yxy 36.1032, 0.2228, 0.3221 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, 180, 184) }
```

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

```
.border{ border-color:rgb(0, 180, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 180, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 180, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 180, 184);  
box-shadow:4px 4px 4px 4px rgb(0, 180,  
184) }
```


Background

The CSS property to change the background color of an element to Yxy 36.1032, 0.2228, 0.3221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 180, 184) }
```

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

```
.background{ background-color: rgb(0, 180,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor