

Converting Colors

$Y_{xy}(36.2488, 0.2276, 0.3209)$

Have a look what the booklet for
Yxy(36.2488, 0.2276, 0.3209)
contains.

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Color

Yxy(36.1520, 0.2274, 0.3206)

Conversions

Conversions Part 1

Format	Color
Hex	28B3B8
RGB	40, 179, 184
RGB Percent	16%, 70%, 72%
CMY	0.8436, 0.2980, 0.2785
CMYK	0.78, 0.03, 0.00, 0.28
HSL	182°, 64%, 44%
HSV	182°, 78%, 72%
XYZ	25.6424, 36.1520, 50.9691
YIQ	138.0090, -84.4490, -27.9130

Conversions

Conversions Part 2

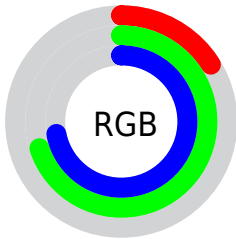
Format	Color
RYB	40, 111, 184
Decimal	2667448
CIELab	66.64, -33.11, -12.82
CIElCh	67, 35.503, 201.159
Yxy	36.1520, 0.2274, 0.3206
Android (android.graphics.Color)	4280857528 (0xFF28B3B8)
YUV	138.0090, 22.6736, -85.9539
Hunter-Lab	60.1265, -29.0957, -8.1714

Details

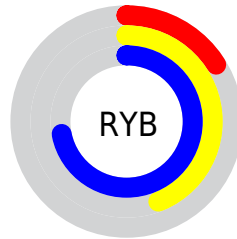
The Yxy color **36.1520, 0.2274, 0.3206** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **12.2083, 0.5770, 0.3342**, and the grayscale version is **25.3429, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.1527, 0.2432, 0.3227**, and **16.5604, 0.2215, 0.3174** is the 20% darker color. If you saturate the color by 10%, you get **35.6149, 0.2239, 0.3195**, and if you desaturate by 10%, it is **36.8682, 0.2327, 0.3218**.

Distribution



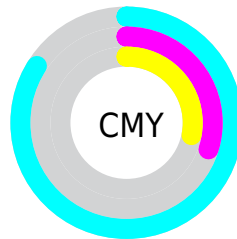
- Red (16%)
- Green (70%)
- Blue (72%)



- Red (16%)
- Yellow (44%)
- Blue (72%)



- Cyan (78%)
- Magenta (3%)
- Yellow (0%)
- Black (28%)





- Cyan (84%)
- Magenta (30%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.1520, 0.2274, 0.3206 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 36.1520, 0.2274, 0.3206 by changing the saturation by 10% instead.

 36.1520, 0.2274,
0.3206


 36.1520, 0.2274,
0.3206


329.6244, 0.2705,
0.3263


 24.5516, 0.2166,
0.3187


 69.2666, 0.2431,
0.3230

 15.7433, 0.2027,
0.3158


 91.5496, 0.2490,
0.3238

 9.3427, 0.1844,
0.3115


 118.1623, 0.2540,
0.3245

 4.9654, 0.1593,
0.3042

 149.4890, 0.2583,
0.3250

 2.2270, 0.1235,
0.2907

 185.9142, 0.2620,
0.3254

 0.7346, 0.0000,
0.2792

227.8222, 0.2652,

 0.0000, 0.0000,

0.3257

0.0000

275.5975, 0.2680,
0.3260

■ 36.1520, 0.2274,
0.3206

■ 36.1520, 0.2274,
0.3206

■ 35.6149, 0.2239,
0.3195

■ 36.8682, 0.2327,
0.3218

■ 35.2168, 0.2220,
0.3184

■ 37.7815, 0.2399,
0.3229

■ 35.1546, 0.2217,
0.3182

■ 38.9121, 0.2489,
0.3241

■ 40.2767, 0.2596,
0.3252

■ 41.8902, 0.2719,
0.3263

■ 43.7664, 0.2855,
0.3273

■ 45.9180, 0.3001,
0.3283

■ 48.3569, 0.3153,
0.3291

■ 51.0945, 0.3310,
0.3300

Harmonies

Analogous

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



36.1520, 0.2613, 0.3753



36.1520, 0.2274, 0.3206



36.1520, 0.2153, 0.2750

Triad

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



36.1520, 0.2274, 0.3206



36.1520, 0.3071, 0.2582



36.1520, 0.4042, 0.4063

Complementary

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



36.1520, 0.2274, 0.3206



12.2083, 0.5770, 0.3342

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.



36.1520, 0.4207, 0.3690



36.1520, 0.2274, 0.3206



36.1520, 0.3622, 0.2875

Square

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



36.1520, 0.2274, 0.3206



36.1520, 0.2581, 0.2442



36.1520, 0.4053, 0.3266



36.1520, 0.3633, 0.4266

Rectangle

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



36.1520, 0.2274, 0.3206



36.1520, 0.2200, 0.2553



36.1520, 0.4053, 0.3266



36.1520, 0.4130, 0.3951

Sweetspot

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



36.1533, 0.2274, 0.3206



77.5633, 0.2785, 0.3268



34.9137, 0.2999, 0.5667



16.4647, 0.2737, 0.3264



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.



36.1533, 0.2274, 0.3206



64.0324, 0.2225, 0.3187



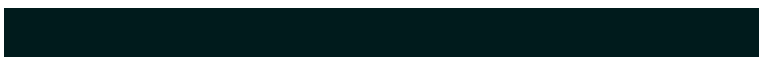
14.4524, 0.1931, 0.1887



10.1559, 0.2985, 0.3282



24.2527, 0.2218, 0.3183



0.8716, 0.2226, 0.3212

Inverse Universe

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



14.9541, 0.3270, 0.1706



24.6183, 0.3292, 0.1603



23.0041, 0.4856, 0.4219



9.1572, 0.3143, 0.3072



9.2307, 0.3296, 0.1590



0.3271, 0.3272, 0.1576

Previews

White Background



This preview shows how the Yxy color 36.1520, 0.2274, 0.3206 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 36.1520, 0.2274, 0.3206 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

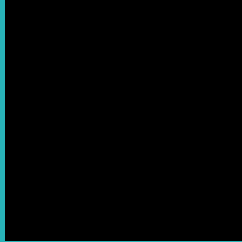
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

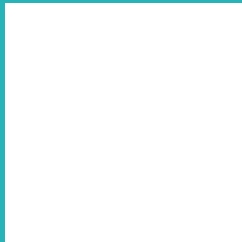
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 36.1520, 0.2274, 0.3206

Background



This preview shows how black text looks on a background with the Yxy color 36.1520, 0.2274, 0.3206.

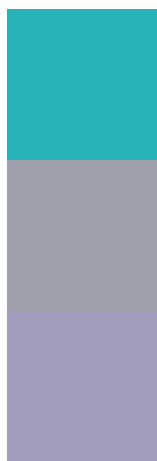


This preview shows how white text looks on a background with the Yxy color 36.1520, 0.2274, 0.3206.

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

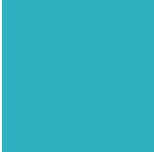
36.1520, 0.2274, 0.3206

Protanopia

35.5938, 0.3023, 0.3117

Deuteranopia

35.5746, 0.2907, 0.2846



Tritanopia

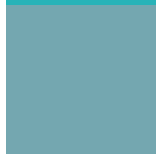
36.2509, 0.2249, 0.3064

Trichromacy



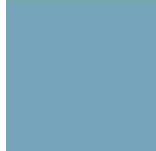
Original Color

36.1520, 0.2274, 0.3206



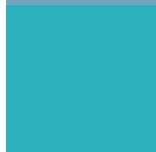
Protanomaly

34.4850, 0.2634, 0.3148



Deuteranomaly

34.3497, 0.2570, 0.2953



Tritanomaly

36.0504, 0.2255, 0.3110

Monochromacy



Original Color

36.1520, 0.2274, 0.3206



Achromatopsia

25.4152, 0.3127, 0.3290



Achromatomaly

27.9738, 0.2651, 0.3254

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.1520, 0.2274, 0.3206 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(40, 179, 184)` looks like.

```
.text, #text, p{  
    color:rgb(40, 179, 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(40, 179, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 179, 184) }
```

Border

The CSS property to change the border of an element to Yxy 36.1520, 0.2274, 0.3206 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(40, 179, 184) }
```

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

```
.border{ border-color:rgb(40, 179, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 179, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 179, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 179, 184);  
box-shadow:4px 4px 4px 4px rgb(40, 179,  
184) }
```


Background

The CSS property to change the background color of an element to Yxy 36.1520, 0.2274, 0.3206 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 179, 184) }
```

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

```
.background{ background-color: rgb(40, 179,  
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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