

Converting Colors

$Y_{xy}(40.2676, 0.2278, 0.3068)$

Have a look what the booklet for
Yxy(40.2676, 0.2278, 0.3068)
contains.

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Color

Yxy(40.2486, 0.2280, 0.3074)

Conversions

Conversions Part 1

Format	Color
Hex	3CBAC8
RGB	60, 186, 200
RGB Percent	24%, 73%, 78%
CMY	0.7641, 0.2706, 0.2157
CMYK	0.70, 0.07, 0.00, 0.22
HSL	186°, 56%, 51%
HSV	186°, 70%, 78%
XYZ	29.8526, 40.2486, 60.8312
YIQ	149.9220, -79.5900, -22.3580

Conversions

Conversions Part 2

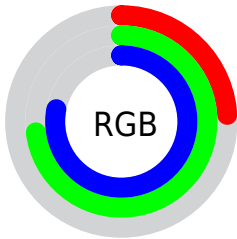
Format	Color
R _{YB}	60, 126, 200
Decimal	3979976
CIE _{Lab}	69.65, -29.29, -17.06
CIE _{LCh}	70, 33.895, 210.212
Yxy	40.2486, 0.2280, 0.3074
Android (android.graphics.Color)	4282170056 (0xFF3CBAC8)
YUV	149.9220, 24.6885, -78.8616
Hunter-Lab	63.4418, -27.0298, -12.4410

Details

The Yxy color **40.2486, 0.2280, 0.3074** is a dark color, and the websafe version is hex **66CCCC**. The color can be described as middle muted azure. A complement of this color would be **17.5215, 0.5327, 0.3445**, and the grayscale version is **30.3999, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.1599, 0.2438, 0.3137**, and **18.5779, 0.2165, 0.2992** is the 20% darker color. If you saturate the color by 10%, you get **38.9016, 0.2222, 0.3039**, and if you desaturate by 10%, it is **41.8458, 0.2357, 0.3109**.

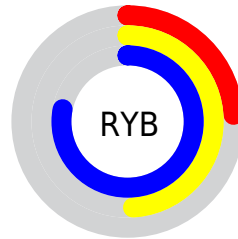
Distribution



Red (24%)

Green (73%)

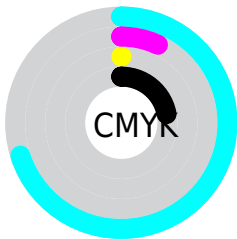
Blue (78%)



Red (24%)

Yellow (49%)

Blue (78%)

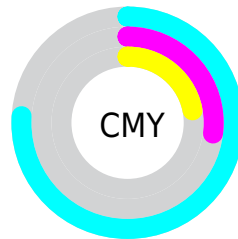


Cyan (70%)

Magenta (7%)

Yellow (0%)

Black (22%)



Cyan (76%)


Magenta (27%)


Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.2486, 0.2280, 0.3074 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 40.2486, 0.2280, 0.3074 by changing the saturation by 10% instead.


 40.2486, 0.2280,
0.3074


 40.2486, 0.2280,
0.3074


347.1703, 0.2700,
0.3197

 27.7324, 0.2178,
0.3039


 75.5419, 0.2431,
0.3122


 18.1241, 0.2048,
0.2991


 99.0879, 0.2488,
0.3139


 11.0391, 0.1879,
0.2922


 127.0792, 0.2537,
0.3153

 6.0931, 0.1652,
0.2819

 159.9003, 0.2578,
0.3165

 2.9018, 0.1335,
0.2650

 197.9355, 0.2615,
0.3175

 1.0807, 0.0665,
0.2395

241.5694, 0.2647,

 0.0000, 0.0000,

0.3183

0.0000

291.1861, 0.2675,
0.3191

■ 40.2486, 0.2280,
0.3074

■ 40.2486, 0.2280,
0.3074

■ 38.9016, 0.2222,
0.3039

■ 41.8458, 0.2357,
0.3109

■ 37.7723, 0.2183,
0.3005

■ 43.7125, 0.2452,
0.3143

■ 36.8091, 0.2159,
0.2971

■ 45.8711, 0.2564,
0.3176

■ 36.8023, 0.2159,
0.2971

■ 48.3404, 0.2691,
0.3207

■ 51.1375, 0.2829,
0.3237

■ 54.2784, 0.2976,
0.3265

■ 57.7777, 0.3128,
0.3290

■ 61.6494, 0.3284,
0.3313

■ 65.9067, 0.3440,
0.3334

Harmonies

Analogous

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



40.2486, 0.2540, 0.3567



40.2486, 0.2280, 0.3074



40.2486, 0.2231, 0.2700

Triad

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



40.2486, 0.2280, 0.3074



40.2486, 0.3232, 0.2701



40.2486, 0.3879, 0.4086

Complementary

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



40.2486, 0.2280, 0.3074



17.5215, 0.5327, 0.3445

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.



40.2486, 0.4107, 0.3780



40.2486, 0.2280, 0.3074



40.2486, 0.3723, 0.3009

Square

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



40.2486, 0.2280, 0.3074



40.2486, 0.2747, 0.2524



40.2486, 0.4053, 0.3391



40.2486, 0.3457, 0.4192

Rectangle

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



40.2486, 0.2280, 0.3074



40.2486, 0.2316, 0.2555



40.2486, 0.4053, 0.3391



40.2486, 0.3982, 0.4000

Sweetspot

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



40.2501, 0.2280, 0.3074



87.8484, 0.2809, 0.3233



42.7645, 0.2969, 0.5343



18.5051, 0.2770, 0.3225



0.0000, 0.0000, 0.0000



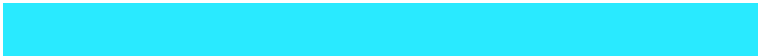
21.4041, 0.3127, 0.3290

Same Dimension

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



40.2501, 0.2280, 0.3074



66.2855, 0.2199, 0.3021



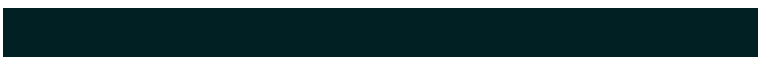
17.6443, 0.1989, 0.1892



11.8791, 0.2984, 0.3266



23.4781, 0.2160, 0.2976



1.1655, 0.2180, 0.3047

Inverse Universe

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



19.0695, 0.3373, 0.1875



28.7476, 0.3430, 0.1736



32.5674, 0.4558, 0.4289



10.7976, 0.3153, 0.3085



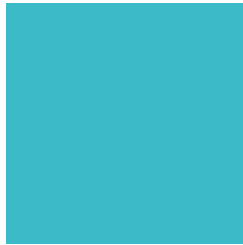
9.9101, 0.3476, 0.1688



0.4747, 0.3413, 0.1654

Previews

White Background



This preview shows how the Yxy color 40.2486, 0.2280, 0.3074 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 40.2486, 0.2280, 0.3074 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

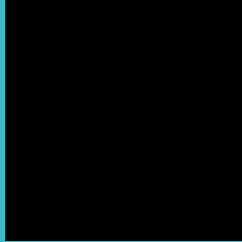
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.2486, 0.2280, 0.3074

Background



This preview shows how black text looks on a background with the Yxy color 40.2486, 0.2280, 0.3074.



This preview shows how white text looks on a background with the Yxy color 40.2486, 0.2280, 0.3074.

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

40.2486, 0.2280, 0.3074

Protanopia

39.7431, 0.2945, 0.3017

Deuteranopia

39.6429, 0.2830, 0.2762



Tritanopia

40.3270, 0.2278, 0.3059

Trichromacy



Original Color

40.2486, 0.2280, 0.3074

Protanomaly

39.0549, 0.2628, 0.3041

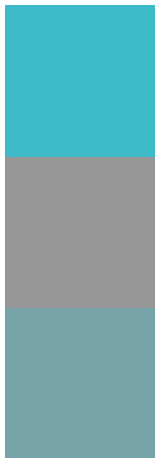
Deuteranomaly

38.8661, 0.2561, 0.2862

Tritanomaly

40.3270, 0.2278, 0.3059

Monochromacy



Original Color

40.2486, 0.2280, 0.3074

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

32.8034, 0.2690, 0.3209

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.2486, 0.2280, 0.3074 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(60, 186, 200)` looks like.

```
.text, #text, p{  
    color:rgb(60, 186, 200)  
}
```

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(60, 186, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 186, 200) }
```

Border

The CSS property to change the border of an element to Yxy 40.2486, 0.2280, 0.3074 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(60, 186, 200) }
```

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

```
.border{ border-color:rgb(60, 186, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 186, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 186, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 186, 200);  
box-shadow:4px 4px 4px 4px rgb(60, 186,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 40.2486, 0.2280, 0.3074 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 186, 200) }
```

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

```
.background{ background-color: rgb(60, 186,  
200) }
```

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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