

Converting Colors

$Y_{xy}(40.6473, 0.2329, 0.3470)$

Have a look what the booklet for
Yxy(40.6473, 0.2329, 0.3470)
contains.

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Color

Yxy(40.8076, 0.2332, 0.3481)

Conversions

Conversions Part 1

Format	Color
Hex	1FBFB3
RGB	31, 191, 179
RGB Percent	12%, 75%, 70%
CMY	0.8774, 0.2510, 0.2980
CMYK	0.84, 0.00, 0.06, 0.25
HSL	175°, 72%, 44%
HSV	175°, 84%, 75%
XYZ	27.3379, 40.8076, 49.0840
YIQ	141.7920, -91.5080, -37.6520

Conversions

Conversions Part 2

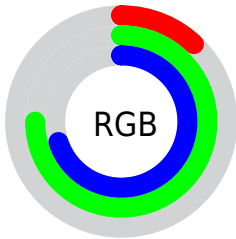
Format	Color
RYB	31, 114, 191
Decimal	2080691
CIELab	70.04, -40.82, -5.01
CIElCh	70, 41.122, 186.992
Yxy	40.8076, 0.2332, 0.3481
Android (android.graphics.Color)	4280270771 (0xFF1FBFB3)
YUV	141.7920, 18.3435, -97.1646
Hunter-Lab	63.8808, -35.4020, -0.8400

Details

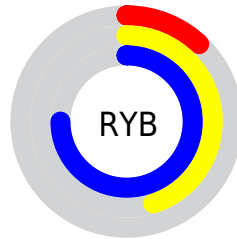
The Yxy color **40.8076, 0.2332, 0.3481** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **12.2449, 0.5876, 0.3209**, and the grayscale version is **26.9467, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.3842, 0.2475, 0.3445**, and **19.3977, 0.2314, 0.3532** is the 20% darker color. If you saturate the color by 10%, you get **40.5355, 0.2316, 0.3506**, and if you desaturate by 10%, it is **41.2593, 0.2366, 0.3456**.

Distribution



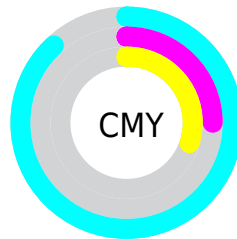
- Red (12%)
- Green (75%)
- Blue (70%)



- Red (12%)
- Yellow (45%)
- Blue (75%)



- Cyan (84%)
- Magenta (0%)
- Yellow (6%)
- Black (25%)




- Cyan (88%)
- Magenta (25%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.8076, 0.2332, 0.3481 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 40.8076, 0.2332, 0.3481 by changing the saturation by 10% instead.


 40.8076, 0.2332,
0.3481


 40.8076, 0.2332,
0.3481


349.5158, 0.2731,
0.3391

 28.1688, 0.2233,
0.3501


 76.3917, 0.2477,
0.3450


 18.4529, 0.2106,
0.3526


 100.1058, 0.2531,
0.3438

 11.2757, 0.1940,
0.3556


 128.2805, 0.2577,
0.3427

 6.2526, 0.1711,
0.3591

 161.3001, 0.2617,
0.3418

 2.9993, 0.1383,
0.3630

 199.5490, 0.2651,
0.3410

 1.1313, 0.0209,
0.3924

243.4117, 0.2681,

 0.0045, 0.0000,

0.3403


0.0126

293.2725, 0.2707,
0.3397


 0.0000, 0.0000,
0.0000


 40.8076, 0.2332,
0.3481


 40.8076, 0.2332,
0.3481


 40.5355, 0.2316,
0.3506

 41.2593, 0.2366,
0.3456

 40.4198, 0.2312,
0.3522

 41.9129, 0.2418,
0.3431

 42.7923, 0.2490,
0.3406

 43.9170, 0.2579,
0.3381

 45.3043, 0.2685,
0.3358

■ 46.9700, 0.2805,
0.3336

■ 48.9286, 0.2936,
0.3315

■ 51.1936, 0.3075,
0.3296

■ 53.7777, 0.3220,
0.3279

Harmonies

Analogous

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



40.8076, 0.2797, 0.4065



40.8076, 0.2332, 0.3481



40.8076, 0.2086, 0.2899

Triad

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



40.8076, 0.2332, 0.3481



40.8076, 0.2788, 0.2417



40.8076, 0.4268, 0.3953

Complementary

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



40.8076, 0.2332, 0.3481



12.2449, 0.5876, 0.3209

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.



40.8076, 0.4293, 0.3502



40.8076, 0.2332, 0.3481



40.8076, 0.3388, 0.2663

Square

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



40.8076, 0.2332, 0.3481



40.8076, 0.2330, 0.2355



40.8076, 0.3961, 0.3047



40.8076, 0.3921, 0.4297

Rectangle

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



40.8076, 0.2332, 0.3481



40.8076, 0.2060, 0.2613



40.8076, 0.3961, 0.3047



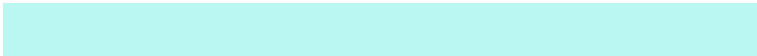
40.8076, 0.4316, 0.3809

Sweetspot

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



40.8091, 0.2332, 0.3481



83.5674, 0.2783, 0.3340



37.9074, 0.3048, 0.5794



18.1118, 0.2740, 0.3347



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



40.8091, 0.2332, 0.3481



72.3807, 0.2313, 0.3526



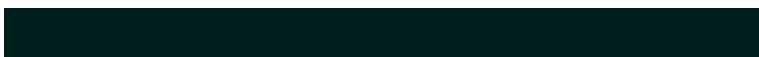
18.5810, 0.1964, 0.2117



10.7969, 0.2995, 0.3307



26.5704, 0.2311, 0.3518



1.0445, 0.2294, 0.3458

Inverse Universe

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



12.2449, 0.5876, 0.3209



19.8834, 0.6340, 0.3266



19.8758, 0.5245, 0.3996



9.5477, 0.3277, 0.3273



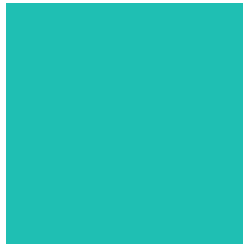
7.3055, 0.6306, 0.3247



0.2902, 0.5967, 0.3061

Previews

White Background



This preview shows how the Yxy color 40.8076, 0.2332, 0.3481 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 40.8076, 0.2332, 0.3481 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

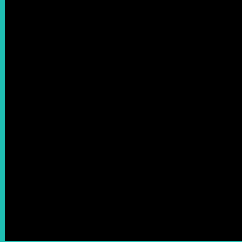
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

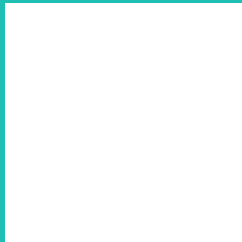
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.8076, 0.2332, 0.3481

Background



This preview shows how black text looks on a background with the Yxy color 40.8076, 0.2332, 0.3481.

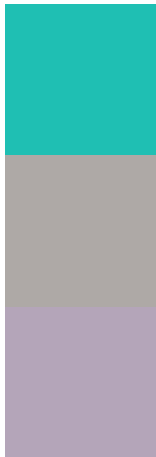


This preview shows how white text looks on a background with the Yxy color 40.8076, 0.2332, 0.3481.

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

40.8076, 0.2332, 0.3481

Protanopia

40.1278, 0.3199, 0.3332

Deuteranopia

40.1163, 0.3094, 0.3025



Tritanopia

40.6093, 0.2251, 0.3045

Trichromacy



Original Color

40.8076, 0.2332, 0.3481

Protanomaly

38.5221, 0.2729, 0.3381

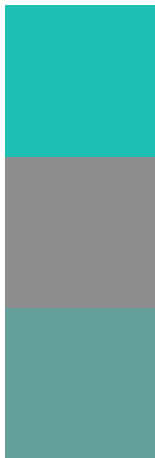
Deuteranomaly

38.1266, 0.2671, 0.3154

Tritanomaly

40.4194, 0.2276, 0.3194

Monochromacy



Original Color

40.8076, 0.2332, 0.3481

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

30.3329, 0.2666, 0.3374

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.8076, 0.2332, 0.3481 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(31, 191, 179)` looks like.

```
.text, #text, p{  
    color:rgb(31, 191, 179)  
}
```

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(31, 191, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 191, 179) }
```

Border

The CSS property to change the border of an element to Yxy 40.8076, 0.2332, 0.3481 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(31, 191, 179) }
```

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

```
.border{ border-color:rgb(31, 191, 179) }
```

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

Here you see how a box with a 4 pixel rgb(31, 191, 179) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 191, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 191, 179);  
box-shadow:4px 4px 4px 4px rgb(31, 191,  
179) }
```


Background

The CSS property to change the background color of an element to Yxy 40.8076, 0.2332, 0.3481 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 191, 179) }
```

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

```
.background{ background-color: rgb(31, 191,  
179) }
```

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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