

Converting Colors

$Y_{xy}(30.8391, 0.2481, 0.4072)$

Have a look what the booklet for
Yxy(30.8391, 0.2481, 0.4072)
contains.

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Color

Yxy(30.8391, 0.2482, 0.4073)

Conversions

Conversions Part 1

Format	Color
Hex	0FAB82
RGB	15, 171, 130
RGB Percent	6%, 67%, 51%
CMY	0.9401, 0.3294, 0.4902
CMYK	0.91, 0.00, 0.24, 0.33
HSL	164°, 84%, 37%
HSV	164°, 91%, 67%
XYZ	18.7927, 30.8391, 26.0841
YIQ	119.6820, -79.8150, -45.8230

Conversions

Conversions Part 2

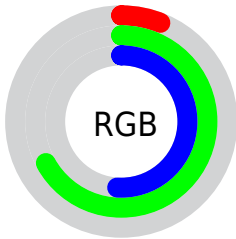
Format	Color
RYB	15, 105, 171
Decimal	1026946
CIELab	62.37, -46.52, 10.91
CIELCh	62, 47.784, 166.802
Yxy	30.8391, 0.2482, 0.4073
Android (android.graphics.Color)	4279217026 (0xFF0FAB82)
YUV	119.6820, 5.0868, -91.8061
Hunter-Lab	55.5330, -36.7772, 11.0242

Details

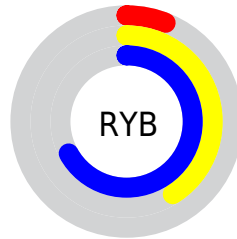
The Yxy color **30.8391, 0.2482, 0.4073** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **9.2947, 0.5594, 0.2940**, and the grayscale version is **18.7042, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.8439, 0.2617, 0.3898**, and **13.5509, 0.2529, 0.4303** is the 20% darker color. If you saturate the color by 10%, you get **30.6307, 0.2489, 0.4159**, and if you desaturate by 10%, it is **31.1730, 0.2488, 0.3976**.

Distribution



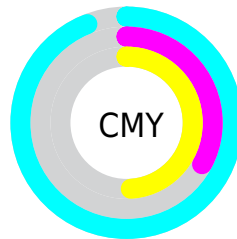
- Red (6%)
- Green (67%)
- Blue (51%)



- Red (6%)
- Yellow (41%)
- Blue (67%)



- Cyan (91%)
- Magenta (0%)
- Yellow (24%)
- Black (33%)





- Cyan (94%)
- Magenta (33%)
- Yellow (49%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 30.8391, 0.2482, 0.4073 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 30.8391, 0.2482, 0.4073 by changing the saturation by 10% instead.

 30.8391, 0.2482,
0.4073


 30.8391, 0.2482,
0.4073


 305.7964, 0.2834,
0.3637

 20.4764, 0.2384,
0.4199


 60.9867, 0.2617,
0.3902

 12.7418, 0.2251,
0.4374

 81.5403, 0.2666,
0.3842


 7.2510, 0.2063,
0.4628


 106.2596, 0.2706,
0.3792

 3.6196, 0.1776,
0.5033

 135.5291, 0.2739,
0.3751

 1.4631, 0.0704,
0.6206

 169.7331, 0.2768,
0.3716

 0.2625, 0.0000,
1.0000

 209.2561, 0.2793,

 0.0000, 0.0000,

0.3686

0.0000

254.4824, 0.2815,
0.3660

■ 30.8391, 0.2482,
0.4073

■ 30.8391, 0.2482,
0.4073

■ 30.6307, 0.2489,
0.4159

■ 31.1730, 0.2488,
0.3976

■ 31.6535, 0.2513,
0.3878

■ 32.3011, 0.2557,
0.3782

■ 33.1323, 0.2620,
0.3688

■ 34.1614, 0.2698,
0.3598

■ 35.4012, 0.2789,
0.3513

■ 36.8636, 0.2891,
0.3435

■ 38.5595, 0.3000,
0.3362

■ 40.4991, 0.3115,
0.3297

Harmonies

Analogous

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



30.8391, 0.3175, 0.4630



30.8391, 0.2482, 0.4073



30.8391, 0.1999, 0.3255

Triad

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



30.8391, 0.2482, 0.4073



30.8391, 0.2289, 0.2135



30.8391, 0.4646, 0.3705

Complementary

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



30.8391, 0.2482, 0.4073



9.2947, 0.5594, 0.2940

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.



30.8391, 0.4376, 0.3146



30.8391, 0.2482, 0.4073



30.8391, 0.2925, 0.2292

Square

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



30.8391, 0.2482, 0.4073



30.8391, 0.1911, 0.2219



30.8391, 0.3709, 0.2650



30.8391, 0.4444, 0.4251

Rectangle

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



30.8391, 0.2482, 0.4073



30.8391, 0.1841, 0.2777



30.8391, 0.3709, 0.2650



30.8391, 0.4610, 0.3516

Sweetspot

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



30.8403, 0.2482, 0.4073



64.2995, 0.2825, 0.3484



30.0236, 0.3155, 0.5802



14.1555, 0.2792, 0.3511



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



30.8403, 0.2482, 0.4073



54.8238, 0.2493, 0.4176



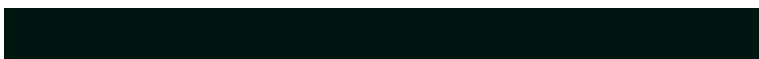
20.2769, 0.2072, 0.2598



9.0355, 0.3020, 0.3350



23.1011, 0.2486, 0.4150



0.6510, 0.2405, 0.3857

Inverse Universe

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



9.2947, 0.5594, 0.2940



15.8154, 0.5916, 0.3033



11.1134, 0.5863, 0.3601



8.0487, 0.3247, 0.3231



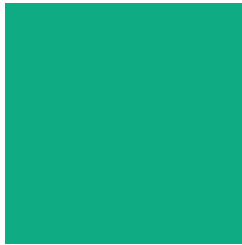
6.6773, 0.5849, 0.2996



0.1948, 0.4998, 0.2527

Previews

White Background



This preview shows how the Yxy color 30.8391, 0.2482, 0.4073 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 30.8391, 0.2482, 0.4073 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

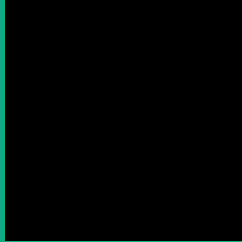
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.8391, 0.2482, 0.4073

Background



This preview shows how black text looks on a background with the Yxy color 30.8391, 0.2482, 0.4073.



This preview shows how white text looks on a background with the Yxy color 30.8391, 0.2482, 0.4073.

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

30.8391, 0.2482, 0.4073

Protanopia

30.2219, 0.3521, 0.3742

Deuteranopia

30.1591, 0.3481, 0.3411



Tritanopia

30.9654, 0.2290, 0.3067

Trichromacy



Original Color

30.8391, 0.2482, 0.4073



Protanomaly

28.6950, 0.2944, 0.3882



Deuteranomaly

28.3431, 0.2912, 0.3641



Tritanomaly

30.6821, 0.2342, 0.3395

Monochromacy



Original Color

30.8391, 0.2482, 0.4073



Achromatopsia

18.7821, 0.3127, 0.3290



Achromatomaly

21.7143, 0.2704, 0.3591

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.8391, 0.2482, 0.4073 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(15, 171, 130)` looks like.

```
.text, #text, p{  
    color:rgb(15, 171, 130)  
}
```

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(15, 171, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 171, 130) }
```

Border

The CSS property to change the border of an element to Yxy 30.8391, 0.2482, 0.4073 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(15, 171, 130) }
```

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

```
.border{ border-color:rgb(15, 171, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(15, 171, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 171, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 171, 130);  
box-shadow:4px 4px 4px 4px rgb(15, 171,  
130) }
```


Background

The CSS property to change the background color of an element to Yxy 30.8391, 0.2482, 0.4073 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 171, 130) }
```

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

```
.background{ background-color: rgb(15, 171,  
130) }
```

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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