

Converting Colors

$Y_{xy}(31.1671, 0.2486, 0.3974)$

Have a look what the booklet for
Yxy(31.1671, 0.2486, 0.3974)
contains.

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Color

Yxy(31.1822, 0.2484, 0.3966)

Conversions

Conversions Part 1

Format	Color
Hex	20AB87
RGB	32, 171, 135
RGB Percent	13%, 67%, 53%
CMY	0.8748, 0.3294, 0.4706
CMYK	0.81, 0.00, 0.21, 0.33
HSL	164°, 69%, 40%
HSV	164°, 81%, 67%
XYZ	19.5302, 31.1822, 27.9114
YIQ	125.3350, -71.2880, -40.6640

Conversions

Conversions Part 2

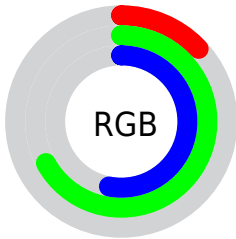
Format	Color
RYB	32, 112, 171
Decimal	2141063
CIELab	62.66, -44.01, 8.57
CIElCh	63, 44.836, 168.976
Yxy	31.1822, 0.2484, 0.3966
Android (android.graphics.Color)	4280331143 (0xFF20AB87)
YUV	125.3350, 4.7648, -81.8548
Hunter-Lab	55.8410, -35.2922, 9.4533

Details

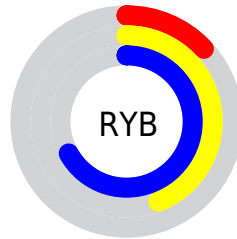
The Yxy color **31.1822, 0.2484, 0.3966** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **10.1047, 0.5259, 0.2895**, and the grayscale version is **20.6228, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.3938, 0.2616, 0.3822**, and **13.6127, 0.2496, 0.4185** is the 20% darker color. If you saturate the color by 10%, you get **30.8554, 0.2478, 0.4062**, and if you desaturate by 10%, it is **31.6586, 0.2509, 0.3870**.

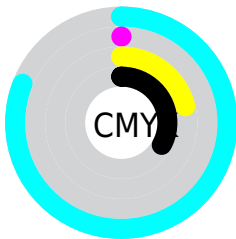
Distribution



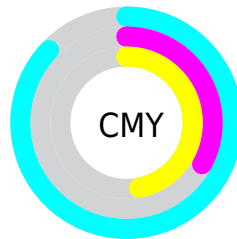
- Red (13%)
- Green (67%)
- Blue (53%)



- Red (13%)
- Yellow (44%)
- Blue (67%)



- Cyan (81%)
- Magenta (0%)
- Yellow (21%)
- Black (33%)



- Cyan (87%)
- Magenta (33%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.1822, 0.2484, 0.3966 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 31.1822, 0.2484, 0.3966 by changing the saturation by 10% instead.

 31.1822, 0.2484,
0.3966


 31.1822, 0.2484,
0.3966


307.3768, 0.2831,
0.3593


 20.7376, 0.2388,
0.4073


 61.5268, 0.2617,
0.3821

 12.9324, 0.2259,
0.4219


 82.1956, 0.2665,
0.3769


 7.3820, 0.2078,
0.4431


 107.0414, 0.2704,
0.3727

 3.7021, 0.1805,
0.4764

 136.4483, 0.2738,
0.3691

 1.5084, 0.0958,
0.5601

 170.8010, 0.2766,
0.3661

 0.2946, 0.0000,
1.0000

 210.4837, 0.2791,

 0.0000, 0.0000,

0.3635

0.0000

255.8808, 0.2812,
0.3613

■ 31.1822, 0.2484,
0.3966

■ 31.1822, 0.2484,
0.3966

■ 30.8554, 0.2478,
0.4062

■ 31.6586, 0.2509,
0.3870

■ 30.6534, 0.2485,
0.4144

■ 32.3003, 0.2553,
0.3775

■ 33.1249, 0.2615,
0.3683

■ 34.1470, 0.2693,
0.3595

■ 35.3794, 0.2785,
0.3512

■ 36.8339, 0.2887,
0.3434

■ 38.5215, 0.2997,
0.3363

■ 40.4525, 0.3112,
0.3298

■ 42.6362, 0.3229,
0.3240

Harmonies

Analogous

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



31.1822, 0.3129, 0.4512



31.1822, 0.2484, 0.3966



31.1822, 0.2043, 0.3210

Triad

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



31.1822, 0.2484, 0.3966



31.1822, 0.2375, 0.2202



31.1822, 0.4552, 0.3731

Complementary

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



31.1822, 0.2484, 0.3966



10.1047, 0.5259, 0.2895

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.



31.1822, 0.4328, 0.3197



31.1822, 0.2484, 0.3966



31.1822, 0.2991, 0.2366

Square

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



31.1822, 0.2484, 0.3966



31.1822, 0.1996, 0.2268



31.1822, 0.3725, 0.2718



31.1822, 0.4341, 0.4237

Rectangle

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



31.1822, 0.2484, 0.3966



31.1822, 0.1904, 0.2774



31.1822, 0.3725, 0.2718



31.1822, 0.4527, 0.3551

Sweetspot

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



31.1834, 0.2484, 0.3966



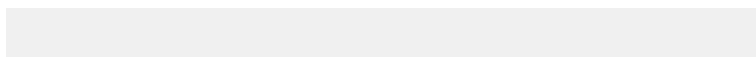
65.1117, 0.2854, 0.3458



30.4979, 0.3193, 0.5636



14.3183, 0.2819, 0.3484



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.



31.1834, 0.2484, 0.3966



54.9288, 0.2486, 0.4141



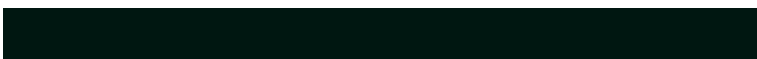
21.5834, 0.2126, 0.2681



9.0361, 0.3020, 0.3349



23.1154, 0.2482, 0.4135



0.6513, 0.2402, 0.3847

Inverse Universe

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



10.1047, 0.5259, 0.2895



15.9362, 0.5873, 0.3023



12.4729, 0.5537, 0.3652



8.0481, 0.3247, 0.3232



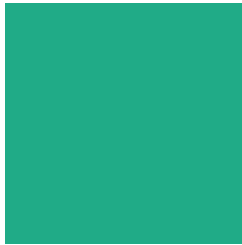
6.6730, 0.5863, 0.3004



0.1946, 0.5015, 0.2536

Previews

White Background



This preview shows how the Yxy color 31.1822, 0.2484, 0.3966 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 31.1822, 0.2484, 0.3966 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

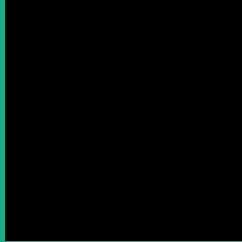
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.1822, 0.2484, 0.3966

Background



This preview shows how black text looks on a background with the Yxy color 31.1822, 0.2484, 0.3966.



This preview shows how white text looks on a background with the Yxy color 31.1822, 0.2484, 0.3966.

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

31.1822, 0.2484, 0.3966

Protanopia

30.6643, 0.3467, 0.3678

Deuteranopia

30.6089, 0.3425, 0.3350



Tritanopia

31.1256, 0.2300, 0.3052

Trichromacy



Original Color

31.1822, 0.2484, 0.3966



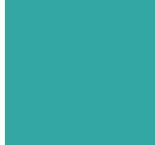
Protanomaly

29.5494, 0.2956, 0.3798



Deuteranomaly

28.8972, 0.2924, 0.3547



Tritanomaly

30.9599, 0.2359, 0.3358

Monochromacy



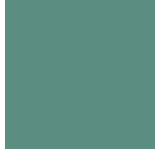
Original Color

31.1822, 0.2484, 0.3966



Achromatopsia

20.5079, 0.3127, 0.3290



Achromatomaly

23.1551, 0.2745, 0.3541

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.1822, 0.2484, 0.3966 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(32, 171, 135)` looks like.

```
.text, #text, p{  
    color:rgb(32, 171, 135)  
}
```

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(32, 171, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 171, 135) }
```

Border

The CSS property to change the border of an element to Yxy 31.1822, 0.2484, 0.3966 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(32, 171, 135) }
```

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

```
.border{ border-color:rgb(32, 171, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(32, 171, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 171, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 171, 135);  
box-shadow:4px 4px 4px 4px rgb(32, 171,  
135) }
```


Background

The CSS property to change the background color of an element to Yxy 31.1822, 0.2484, 0.3966 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 171, 135) }
```

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

```
.background{ background-color: rgb(32, 171,  
135) }
```

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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