

Converting Colors

$Yxy(31.2244, 0.2488, 0.3960)$

Have a look what the booklet for
Yxy(31.2244, 0.2488, 0.3960)
contains.

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Color

Yxy(31.2152, 0.2489, 0.3965)

Conversions

Conversions Part 1

Format	Color
Hex	22AB87
RGB	34, 171, 135
RGB Percent	13%, 67%, 53%
CMY	0.8668, 0.3294, 0.4706
CMYK	0.80, 0.00, 0.21, 0.33
HSL	164°, 67%, 40%
HSV	164°, 80%, 67%
XYZ	19.5951, 31.2152, 27.9165
YIQ	125.9330, -70.0960, -40.2400

Conversions

Conversions Part 2

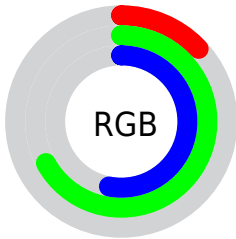
Format	Color
RYB	34, 113, 171
Decimal	2272135
CIELab	62.69, -43.80, 8.61
CIELCh	63, 44.641, 168.874
Yxy	31.2152, 0.2489, 0.3965
Android (android.graphics.Color)	4280462215 (0xFF22AB87)
YUV	125.9330, 4.4700, -80.6252
Hunter-Lab	55.8706, -35.1694, 9.4843

Details

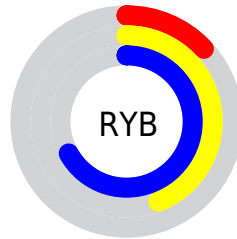
The Yxy color **31.2152, 0.2489, 0.3965** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **10.2421, 0.5202, 0.2885**, and the grayscale version is **20.8396, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.4526, 0.2620, 0.3821**, and **13.6127, 0.2496, 0.4185** is the 20% darker color. If you saturate the color by 10%, you get **30.8710, 0.2481, 0.4062**, and if you desaturate by 10%, it is **31.7117, 0.2516, 0.3868**.

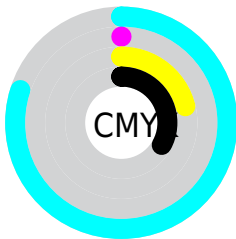
Distribution



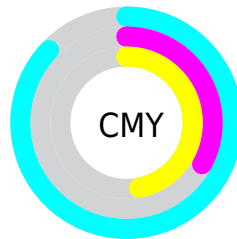
- Red (13%)
- Green (67%)
- Blue (53%)



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



- Cyan (80%)
- Magenta (0%)
- Yellow (21%)
- Black (33%)





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

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.2152, 0.2489, 0.3965 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 31.2152, 0.2489, 0.3965 by changing the saturation by 10% instead.


 31.2152, 0.2489,
0.3965


 31.2152, 0.2489,
0.3965


307.5285, 0.2834,
0.3592


 20.7628, 0.2394,
0.4072


 61.5787, 0.2621,
0.3820


 12.9507, 0.2266,
0.4218


 82.2586, 0.2668,
0.3769


 7.3946, 0.2086,
0.4429


 107.1164, 0.2708,
0.3726

 3.7101, 0.1814,
0.4762

 136.5366, 0.2741,
0.3691

 1.5127, 0.0983,
0.5590

 170.9035, 0.2769,
0.3661

 0.2977, 0.0000,
1.0000

 210.6015, 0.2794,

 0.0000, 0.0000,

0.3635

0.0000

256.0151, 0.2815,
0.3612

■ 31.2152, 0.2489,
0.3965

■ 31.2152, 0.2489,
0.3965

■ 30.8710, 0.2481,
0.4062

■ 31.7117, 0.2516,
0.3868

■ 30.6361, 0.2488,
0.4158

■ 32.3757, 0.2562,
0.3772

■ 33.2246, 0.2626,
0.3678

■ 34.2727, 0.2705,
0.3589

■ 35.5327, 0.2798,
0.3505

■ 37.0164, 0.2901,
0.3427

■ 38.7346, 0.3011,
0.3356

■ 40.6973, 0.3126,
0.3291

■ 42.9142, 0.3243,
0.3232

Harmonies

Analogous

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



31.2152, 0.3132, 0.4507



31.2152, 0.2489, 0.3965



31.2152, 0.2049, 0.3213

Triad

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



31.2152, 0.2489, 0.3965



31.2152, 0.2376, 0.2206



31.2152, 0.4545, 0.3728

Complementary

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



31.2152, 0.2489, 0.3965



10.2421, 0.5202, 0.2885

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.



31.2152, 0.4320, 0.3196



31.2152, 0.2489, 0.3965



31.2152, 0.2989, 0.2369

Square

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



31.2152, 0.2489, 0.3965



31.2152, 0.2000, 0.2273



31.2152, 0.3720, 0.2719



31.2152, 0.4337, 0.4232

Rectangle

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



31.2152, 0.2489, 0.3965



31.2152, 0.1909, 0.2778



31.2152, 0.3720, 0.2719



31.2152, 0.4520, 0.3549

Sweetspot

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



31.2164, 0.2489, 0.3965



65.1018, 0.2856, 0.3460



30.5638, 0.3197, 0.5611



14.3158, 0.2820, 0.3487



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.



31.2164, 0.2489, 0.3965



54.9700, 0.2487, 0.4135



21.7533, 0.2134, 0.2692



9.0356, 0.3020, 0.3350



23.1028, 0.2486, 0.4148



0.6510, 0.2404, 0.3856

Inverse Universe

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



10.2421, 0.5202, 0.2885



16.0781, 0.5803, 0.2998



12.6631, 0.5493, 0.3655



8.0486, 0.3247, 0.3231



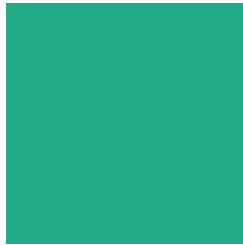
6.6767, 0.5851, 0.2997



0.1948, 0.5000, 0.2528

Previews

White Background



This preview shows how the Yxy color 31.2152, 0.2489, 0.3965 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 31.2152, 0.2489, 0.3965 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 31.2152, 0.2489, 0.3965

Background



This preview shows how black text looks on a background with the Yxy color 31.2152, 0.2489, 0.3965.

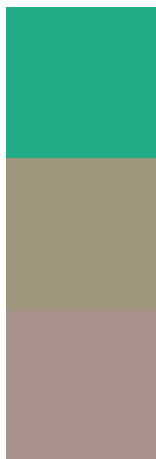


This preview shows how white text looks on a background with the Yxy color 31.2152, 0.2489, 0.3965.

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

31.2152, 0.2489, 0.3965

Protanopia

30.6643, 0.3467, 0.3678

Deuteranopia

30.6089, 0.3425, 0.3350



Tritanopia

31.1570, 0.2303, 0.3052

Trichromacy



Original Color

31.2152, 0.2489, 0.3965



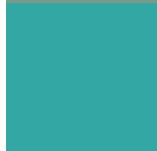
Protanomaly

29.6161, 0.2965, 0.3796



Deuteranomaly

28.9684, 0.2933, 0.3546



Tritanomaly

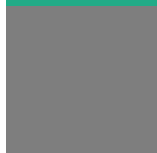
30.9856, 0.2362, 0.3358

Monochromacy



Original Color

31.2152, 0.2489, 0.3965



Achromatopsia

20.8637, 0.3127, 0.3290



Achromatomaly

23.2581, 0.2762, 0.3540

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.2152, 0.2489, 0.3965 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(34, 171, 135)` looks like.

```
.text, #text, p{  
    color:rgb(34, 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(34, 171, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 171, 135) }
```

Border

The CSS property to change the border of an element to Yxy 31.2152, 0.2489, 0.3965 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(34, 171, 135) }
```

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

```
.border{ border-color:rgb(34, 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(34, 171, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 171, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 171, 135);  
box-shadow:4px 4px 4px 4px rgb(34, 171,  
135) }
```


Background

The CSS property to change the background color of an element to Yxy 31.2152, 0.2489, 0.3965 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 171, 135) }
```

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

```
.background{ background-color: rgb(34, 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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