

Converting Colors

$Y_{xy}(31.7652, 0.2473, 0.3810)$

Have a look what the booklet for
Yxy(31.7652, 0.2473, 0.3810)
contains.

Yxy(31.6445, 0.2471, 0.3803)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(31.6445, 0.2471, 0.3803)

Conversions

Conversions Part 1

Format	Color
Hex	2CAB8F
RGB	44, 171, 143
RGB Percent	17%, 67%, 56%
CMY	0.8271, 0.3294, 0.4393
CMYK	0.74, 0.00, 0.16, 0.33
HSL	167°, 59%, 42%
HSV	167°, 74%, 67%
XYZ	20.5610, 31.6445, 31.0038
YIQ	129.8350, -66.7040, -35.6320

Conversions

Conversions Part 2

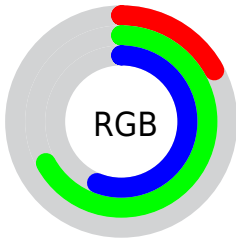
Format	Color
RYB	44, 115, 171
Decimal	2927503
CIELab	63.05, -40.57, 4.71
CIElCh	63, 40.846, 173.375
Yxy	31.6445, 0.2471, 0.3803
Android (android.graphics.Color)	4281117583 (0xFF2CAB8F)
YUV	129.8350, 6.4903, -75.2773
Hunter-Lab	56.2534, -33.2006, 6.7000

Details

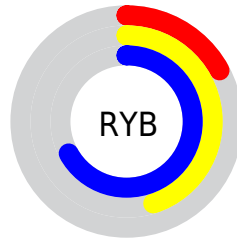
The Yxy color **31.6445, 0.2471, 0.3803** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **10.9349, 0.5091, 0.2950**, and the grayscale version is **22.2647, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.2206, 0.2601, 0.3691**, and **13.7472, 0.2432, 0.3954** is the 20% darker color. If you saturate the color by 10%, you get **31.2287, 0.2449, 0.3883**, and if you desaturate by 10%, it is **32.2227, 0.2513, 0.3723**.

Distribution



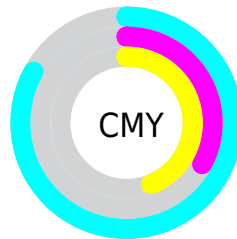
- Red (17%)
- Green (67%)
- Blue (56%)



- Red (17%)
- Yellow (45%)
- Blue (67%)



- Cyan (74%)
- Magenta (0%)
- Yellow (16%)
- Black (33%)



- Cyan (83%)
- Magenta (33%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.6445, 0.2471, 0.3803 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 31.6445, 0.2471, 0.3803 by changing the saturation by 10% instead.


 31.6445, 0.2471,
0.3803


 31.6445, 0.2471,
0.3803


309.4966, 0.2821,
0.3525


 21.0901, 0.2376,
0.3881


 62.2534, 0.2604,
0.3696

 13.1899, 0.2250,
0.3986


 83.0766, 0.2652,
0.3658

 7.5594, 0.2074,
0.4135


 108.0916, 0.2692,
0.3626

 3.8144, 0.1813,
0.4364

 137.6828, 0.2726,
0.3599

 1.5703, 0.1186,
0.4871

 172.2344, 0.2755,
0.3576

 0.3374, 0.0000,
0.8989

212.1311, 0.2780,

 0.0000, 0.0000,

0.3557

0.0000

257.7570, 0.2802,
0.3540

■ 31.6445, 0.2471,
0.3803

■ 31.6445, 0.2471,
0.3803

■ 31.2287, 0.2449,
0.3883

■ 32.2227, 0.2513,
0.3723

■ 30.9510, 0.2445,
0.3963

■ 32.9767, 0.2573,
0.3645

■ 30.8261, 0.2447,
0.4010

■ 33.9227, 0.2650,
0.3570

■ 35.0738, 0.2741,
0.3498

■ 36.4424, 0.2845,
0.3431

■ 38.0394, 0.2957,
0.3369

■ 39.8753, 0.3076,
0.3312

■ 41.9598, 0.3198,
0.3261

■ 44.3021, 0.3322,
0.3215

Harmonies

Analogous

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



31.6445, 0.3045, 0.4339



31.6445, 0.2471, 0.3803



31.6445, 0.2097, 0.3130

Triad

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



31.6445, 0.2471, 0.3803



31.6445, 0.2512, 0.2299



31.6445, 0.4419, 0.3779

Complementary

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



31.6445, 0.2471, 0.3803



10.9349, 0.5091, 0.2950

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.



31.6445, 0.4270, 0.3284



31.6445, 0.2471, 0.3803



31.6445, 0.3103, 0.2478

Square

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



31.6445, 0.2471, 0.3803



31.6445, 0.2124, 0.2330



31.6445, 0.3765, 0.2827



31.6445, 0.4183, 0.4224

Rectangle

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



31.6445, 0.2471, 0.3803



31.6445, 0.1991, 0.2753



31.6445, 0.3765, 0.2827



31.6445, 0.4414, 0.3615

Sweetspot

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



31.6457, 0.2471, 0.3803



65.7590, 0.2865, 0.3419



30.7521, 0.3184, 0.5495



14.5084, 0.2836, 0.3436



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.



31.6457, 0.2471, 0.3803



55.5870, 0.2444, 0.3934



21.4133, 0.2156, 0.2659



9.0414, 0.3015, 0.3341



23.2466, 0.2445, 0.4002



0.6541, 0.2378, 0.3760

Inverse Universe

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



10.9349, 0.5091, 0.2950



16.5932, 0.5713, 0.3014



14.2791, 0.5208, 0.3724



8.0432, 0.3253, 0.3240



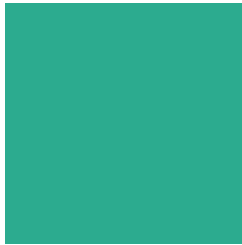
6.6378, 0.5982, 0.3069



0.1927, 0.5168, 0.2620

Previews

White Background



This preview shows how the Yxy color 31.6445, 0.2471, 0.3803 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 31.6445, 0.2471, 0.3803 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 31.6445, 0.2471, 0.3803

Background



This preview shows how black text looks on a background with the Yxy color 31.6445, 0.2471, 0.3803.

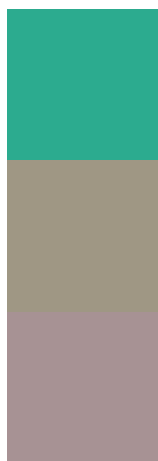


This preview shows how white text looks on a background with the Yxy color 31.6445, 0.2471, 0.3803.

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

31.6445, 0.2471, 0.3803

Protanopia

31.1701, 0.3395, 0.3583

Deuteranopia

30.9114, 0.3329, 0.3261



Tritanopia

31.6171, 0.2319, 0.3070

Trichromacy



Original Color

31.6445, 0.2471, 0.3803



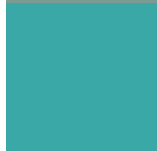
Protanomaly

30.0132, 0.2933, 0.3667



Deuteranomaly

29.6556, 0.2893, 0.3441



Tritanomaly

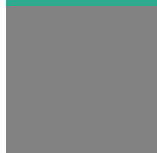
31.6283, 0.2371, 0.3323

Monochromacy



Original Color

31.6445, 0.2471, 0.3803



Achromatopsia

22.3228, 0.3127, 0.3290



Achromatomaly

24.6527, 0.2769, 0.3475

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.6445, 0.2471, 0.3803 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(44, 171, 143)` looks like.

```
.text, #text, p{  
    color:rgb(44, 171, 143)  
}
```

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(44, 171, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 171, 143) }
```

Border

The CSS property to change the border of an element to Yxy 31.6445, 0.2471, 0.3803 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(44, 171, 143) }
```

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

```
.border{ border-color:rgb(44, 171, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 171, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 171, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 171, 143);  
box-shadow:4px 4px 4px 4px rgb(44, 171,  
143) }
```


Background

The CSS property to change the background color of an element to Yxy 31.6445, 0.2471, 0.3803 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 171, 143) }
```

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

```
.background{ background-color: rgb(44, 171,  
143) }
```

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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