

Converting Colors

$Y_{xy}(31.4669, 0.2477, 0.3940)$

Have a look what the booklet for
Yxy(31.4669, 0.2477, 0.3940)
contains.

Yxy(31.6183, 0.2477, 0.3942)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(31.6183, 0.2477, 0.3942)

Conversions

Conversions Part 1

Format	Color
Hex	20AC89
RGB	32, 172, 137
RGB Percent	13%, 67%, 54%
CMY	0.8738, 0.3255, 0.4627
CMYK	0.81, 0.00, 0.20, 0.33
HSL	165°, 68%, 40%
HSV	165°, 81%, 67%
XYZ	19.8677, 31.6183, 28.7228
YIQ	126.1500, -72.2050, -40.5650

Conversions

Conversions Part 2

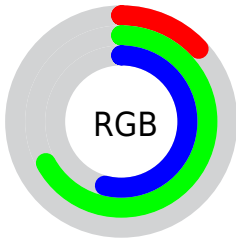
Format	Color
R_{YB}	32, 112, 172
Decimal	2141321
CIE _{Lab}	63.03, -43.89, 7.98
CIE _{LCh}	63, 44.612, 169.691
Yxy	31.6183, 0.2477, 0.3942
Android (android.graphics.Color)	4280331401 (0xFF20AC89)
YUV	126.1500, 5.3491, -82.5695
Hunter-Lab	56.2302, -35.3336, 9.0754

Details

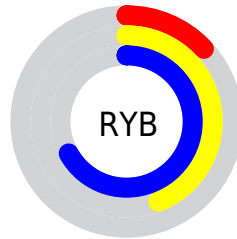
The Yxy color **31.6183, 0.2477, 0.3942** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **10.2207, 0.5285, 0.2911**, and the grayscale version is **20.9365, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.0881, 0.2613, 0.3805**, and **13.8818, 0.2486, 0.4149** is the 20% darker color. If you saturate the color by 10%, you get **31.2898, 0.2470, 0.4034**, and if you desaturate by 10%, it is **32.0981, 0.2503, 0.3850**.

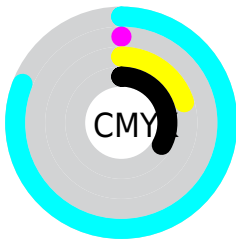
Distribution



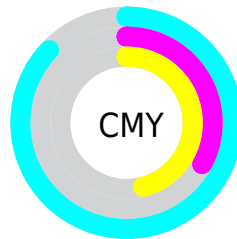
- Red (13%)
- Green (67%)
- Blue (54%)



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



- Cyan (81%)
- Magenta (0%)
- Yellow (20%)
- Black (33%)





- Cyan (87%)
- Magenta (33%)
- Yellow (46%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 31.6183, 0.2477, 0.3942 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 31.6183, 0.2477, 0.3942 by changing the saturation by 10% instead.


 31.6183, 0.2477,
0.3942


 31.6183, 0.2477,
0.3942

 309.3768, 0.2827,
0.3583

 21.0701, 0.2381,
0.4044


 62.2122, 0.2610,
0.3803

 13.1753, 0.2253,
0.4183


 83.0268, 0.2658,
0.3754


 7.5493, 0.2072,
0.4384


 108.0322, 0.2698,
0.3713

 3.8080, 0.1802,
0.4697

 137.6129, 0.2732,
0.3679

 1.5667, 0.1039,
0.5443

 172.1534, 0.2761,
0.3649

 0.3350, 0.0000,
1.0000

 212.0379, 0.2786,

 0.0000, 0.0000,

0.3624

0.0000

257.6509, 0.2808,
0.3603

■ 31.6183, 0.2477,
0.3942

■ 31.6183, 0.2477,
0.3942

■ 31.2898, 0.2470,
0.4034

■ 32.0981, 0.2503,
0.3850

■ 31.0868, 0.2476,
0.4114

■ 32.7452, 0.2548,
0.3758

■ 33.5775, 0.2610,
0.3669

■ 34.6096, 0.2689,
0.3584

■ 35.8545, 0.2782,
0.3504

■ 37.3244, 0.2885,
0.3429

■ 39.0302, 0.2996,
0.3360

■ 40.9823, 0.3112,
0.3298

■ 43.1904, 0.3231,
0.3241

Harmonies

Analogous

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



31.6183, 0.3114, 0.4492



31.6183, 0.2477, 0.3942



31.6183, 0.2046, 0.3194

Triad

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



31.6183, 0.2477, 0.3942



31.6183, 0.2394, 0.2212



31.6183, 0.4538, 0.3741

Complementary

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



31.6183, 0.2477, 0.3942



10.2207, 0.5285, 0.2911

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.



31.6183, 0.4326, 0.3211



31.6183, 0.2477, 0.3942



31.6183, 0.3009, 0.2380

Square

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



31.6183, 0.2477, 0.3942



31.6183, 0.2011, 0.2272



31.6183, 0.3737, 0.2733



31.6183, 0.4321, 0.4241

Rectangle

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



31.6183, 0.2477, 0.3942



31.6183, 0.1911, 0.2766



31.6183, 0.3737, 0.2733



31.6183, 0.4517, 0.3563

Sweetspot

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



31.6195, 0.2477, 0.3942



66.8325, 0.2852, 0.3452



30.8910, 0.3193, 0.5636



14.3239, 0.2816, 0.3478



86.8899, 0.3127, 0.3290



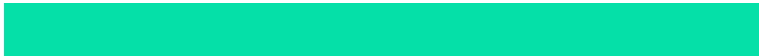
16.2647, 0.3127, 0.3290

Same Dimension

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



31.6195, 0.2477, 0.3942



56.4335, 0.2478, 0.4111



21.8620, 0.2126, 0.2681



9.0373, 0.3018, 0.3347



23.1442, 0.2474, 0.4105



0.6519, 0.2397, 0.3828

Inverse Universe

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



10.2207, 0.5285, 0.2911



16.3300, 0.5902, 0.3039



12.6341, 0.5536, 0.3652



8.0470, 0.3248, 0.3233



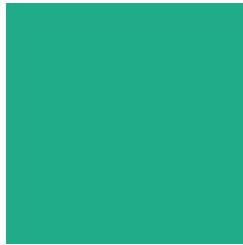
6.6645, 0.5891, 0.3019



0.1942, 0.5048, 0.2555

Previews

White Background



This preview shows how the Yxy color 31.6183, 0.2477, 0.3942 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 31.6183, 0.2477, 0.3942 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

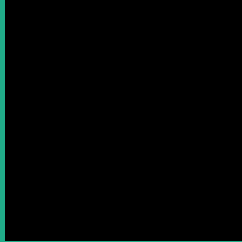
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.6183, 0.2477, 0.3942

Background



This preview shows how black text looks on a background with the Yxy color 31.6183, 0.2477, 0.3942.

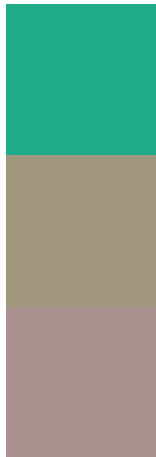


This preview shows how white text looks on a background with the Yxy color 31.6183, 0.2477, 0.3942.

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

31.6183, 0.2477, 0.3942

Protanopia

31.1132, 0.3465, 0.3676

Deuteranopia

30.9760, 0.3402, 0.3335



Tritanopia

31.5284, 0.2298, 0.3053

Trichromacy



Original Color

31.6183, 0.2477, 0.3942



Protanomaly

29.9854, 0.2957, 0.3794



Deuteranomaly

29.2877, 0.2908, 0.3528



Tritanomaly

31.3637, 0.2358, 0.3358

Monochromacy



Original Color

31.6183, 0.2477, 0.3942



Achromatopsia

20.8637, 0.3127, 0.3290



Achromatomaly

23.5319, 0.2747, 0.3539

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.6183, 0.2477, 0.3942 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, 172, 137)` looks like.

```
.text, #text, p{  
    color:rgb(32, 172, 137)  
}
```

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, 172, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 172, 137) }
```

Border

The CSS property to change the border of an element to Yxy 31.6183, 0.2477, 0.3942 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, 172, 137) }
```

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

```
.border{ border-color:rgb(32, 172, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(32, 172, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 172, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 172, 137);  
box-shadow:4px 4px 4px 4px rgb(32, 172,  
137) }
```


Background

The CSS property to change the background color of an element to Yxy 31.6183, 0.2477, 0.3942 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 172, 137) }
```

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

```
.background{ background-color: rgb(32, 172,  
137) }
```

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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