

Converting Colors

$Yxy(29.7171, 0.2501, 0.4147)$

Have a look what the booklet for
Yxy(29.7171, 0.2501, 0.4147)
contains.

Yxy(29.5461, 0.2501, 0.4151)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(29.5461, 0.2501, 0.4151)

Conversions

Conversions Part 1

Format	Color
Hex	0DA87C
RGB	13, 168, 124
RGB Percent	5%, 66%, 49%
CMY	0.9506, 0.3411, 0.5138
CMYK	0.93, 0.00, 0.26, 0.34
HSL	163°, 86%, 35%
HSV	163°, 93%, 66%
XYZ	17.8017, 29.5461, 23.8305
YIQ	116.6390, -78.2560, -46.5440

Conversions

Conversions Part 2

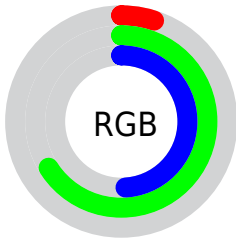
Format	Color
RYB	13, 103, 168
Decimal	895100
CIELab	61.26, -46.95, 12.68
CIELCh	61, 48.629, 164.885
Yxy	29.5461, 0.2501, 0.4151
Android (android.graphics.Color)	4279085180 (0xFF0DA87C)
YUV	116.6390, 3.6290, -90.8914
Hunter-Lab	54.3563, -36.6649, 12.0560

Details

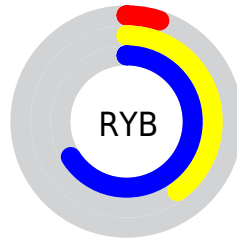
The Yxy color **29.5461, 0.2501, 0.4151** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **8.8952, 0.5570, 0.2911**, and the grayscale version is **17.6405, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.8653, 0.2632, 0.3952**, and **12.7695, 0.2561, 0.4418** is the 20% darker color. If you saturate the color by 10%, you get **29.3762, 0.2508, 0.4230**, and if you desaturate by 10%, it is **29.8550, 0.2503, 0.4046**.

Distribution



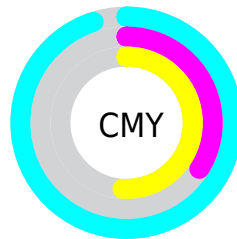
- Red (5%)
- Green (66%)
- Blue (49%)



- Red (5%)
- Yellow (40%)
- Blue (66%)



- Cyan (93%)
- Magenta (0%)
- Yellow (26%)
- Black (34%)




- Cyan (95%)
- Magenta (34%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.5461, 0.2501, 0.4151 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 29.5461, 0.2501, 0.4151 by changing the saturation by 10% instead.


 29.5461, 0.2501,
0.4151


 29.5461, 0.2501,
0.4151


299.7830, 0.2847,
0.3666


 19.4943, 0.2402,
0.4294


 58.9436, 0.2635,
0.3959

 12.0280, 0.2268,
0.4493


 79.0581, 0.2683,
0.3892

 6.7628, 0.2074,
0.4788


 103.2957, 0.2722,
0.3837

 3.3142, 0.1773,
0.5264

 132.0407, 0.2755,
0.3791

 1.2979, 0.0215,
0.7180

 165.6775, 0.2783,
0.3753

 0.1396, 0.0000,
1.0000

 204.5906, 0.2807,

 0.0000, 0.0000,

0.3720

0.0000

249.1643, 0.2828,
0.3691

■ 29.5461, 0.2501,
0.4151

■ 29.5461, 0.2501,
0.4151

■ 29.3762, 0.2508,
0.4230

■ 29.8550, 0.2503,
0.4046

■ 30.3026, 0.2524,
0.3940

■ 30.9091, 0.2564,
0.3835

■ 31.6903, 0.2622,
0.3733

■ 32.6603, 0.2696,
0.3636

■ 33.8318, 0.2784,
0.3543

■ 35.2160, 0.2882,
0.3458

■ 36.8236, 0.2988,
0.3379

■ 38.6645, 0.3099,
0.3307

Harmonies

Analogous

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



29.5461, 0.3221, 0.4696



29.5461, 0.2501, 0.4151



29.5461, 0.1989, 0.3304

Triad

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



29.5461, 0.2501, 0.4151



29.5461, 0.2231, 0.2102



29.5461, 0.4691, 0.3673

Complementary

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



29.5461, 0.2501, 0.4151



8.8952, 0.5570, 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.



29.5461, 0.4382, 0.3103



29.5461, 0.2501, 0.4151



29.5461, 0.2869, 0.2249

Square

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



29.5461, 0.2501, 0.4151



29.5461, 0.1864, 0.2203



29.5461, 0.3674, 0.2603



29.5461, 0.4507, 0.4239

Rectangle

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



29.5461, 0.2501, 0.4151



29.5461, 0.1815, 0.2800



29.5461, 0.3674, 0.2603



29.5461, 0.4644, 0.3480

Sweetspot

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



29.5473, 0.2501, 0.4151



62.3382, 0.2822, 0.3508



28.8967, 0.3164, 0.5808



13.3710, 0.2782, 0.3545



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



29.5473, 0.2501, 0.4151



53.2605, 0.2513, 0.4248



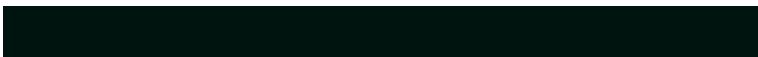
20.0537, 0.2081, 0.2641



8.4953, 0.3023, 0.3355



22.1893, 0.2505, 0.4219



0.5480, 0.2409, 0.3874

Inverse Universe

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



8.8952, 0.5570, 0.2911



15.4557, 0.5848, 0.2995



10.3290, 0.5936, 0.3563



7.5759, 0.3243, 0.3226



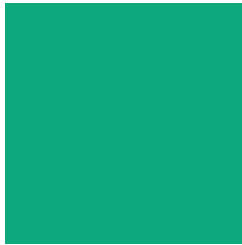
6.4530, 0.5778, 0.2957



0.1656, 0.4868, 0.2455

Previews

White Background



This preview shows how the Yxy color 29.5461, 0.2501, 0.4151 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 29.5461, 0.2501, 0.4151 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

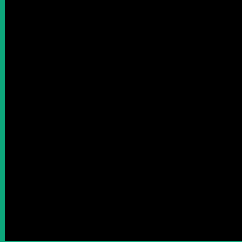
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.5461, 0.2501, 0.4151

Background



This preview shows how black text looks on a background with the Yxy color 29.5461, 0.2501, 0.4151.



This preview shows how white text looks on a background with the Yxy color 29.5461, 0.2501, 0.4151.

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

29.5461, 0.2501, 0.4151

Protanopia

29.2504, 0.3567, 0.3811

Deuteranopia

28.8769, 0.3532, 0.3458



Tritanopia

29.3971, 0.2285, 0.3046

Trichromacy



Original Color

29.5461, 0.2501, 0.4151



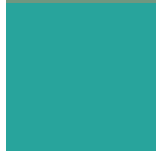
Protanomaly

27.6938, 0.2966, 0.3968



Deuteranomaly

27.0712, 0.2944, 0.3703



Tritanomaly

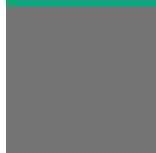
29.4023, 0.2354, 0.3434

Monochromacy



Original Color

29.5461, 0.2501, 0.4151



Achromatopsia

17.7888, 0.3127, 0.3290



Achromatomaly

20.6266, 0.2706, 0.3620

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.5461, 0.2501, 0.4151 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(13, 168, 124)` looks like.

```
.text, #text, p{  
  color:rgb(13, 168, 124)  
}
```

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(13, 168, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 168, 124) }
```

Border

The CSS property to change the border of an element to Yxy 29.5461, 0.2501, 0.4151 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(13, 168, 124) }
```

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

```
.border{ border-color:rgb(13, 168, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(13, 168, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 168, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 168, 124);  
box-shadow:4px 4px 4px 4px rgb(13, 168,  
124) }
```


Background

The CSS property to change the background color of an element to Yxy 29.5461, 0.2501, 0.4151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 168, 124) }
```

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

```
.background{ background-color: rgb(13, 168,  
124) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor