

Converting Colors

$Yxy(25.2785, 0.1815, 0.4007)$

Have a look what the booklet for
Yxy(25.2785, 0.1815, 0.4007)
contains.

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Color

Yxy(28.6037, 0.2421, 0.3914)

Conversions

Conversions Part 1

Format	Color
Hex	00A585
RGB	0, 165, 133
RGB Percent	0%, 65%, 52%
CMY	0.9986, 0.3530, 0.4784
CMYK	1.00, 0.00, 0.19, 0.35
HSL	168°, 100%, 32%
HSV	168°, 100%, 65%
XYZ	17.6928, 28.6037, 26.7840
YIQ	112.0170, -88.0680, -44.9320

Conversions

Conversions Part 2

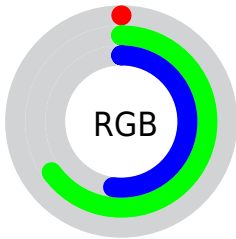
Format	Color
RYB	0, 91, 165
Decimal	42373
CIELab	60.43, -43.95, 6.46
CIELCh	60, 44.424, 171.636
Yxy	28.6037, 0.2421, 0.3914
Android (android.graphics.Color)	4278232453 (0xFF00A585)
YUV	112.0170, 10.3446, -98.2389
Hunter-Lab	53.4824, -34.5438, 7.7453

Details

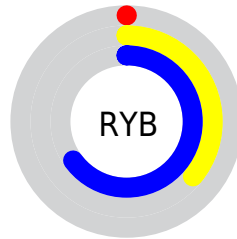
The Yxy color **28.6037, 0.2421, 0.3914** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **8.1130, 0.6066, 0.3118**, and the grayscale version is **16.2304, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.4822, 0.2568, 0.3782**, and **12.2284, 0.2466, 0.4079** is the 20% darker color. If you saturate the color by 10%, you get **28.6005, 0.2421, 0.3916**, and if you desaturate by 10%, it is **28.8103, 0.2421, 0.3845**.

Distribution



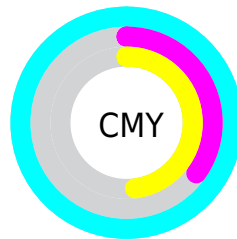
- Red (0%)
- Green (65%)
- Blue (52%)



- Red (0%)
- Yellow (36%)
- Blue (65%)



- Cyan (100%)
- Magenta (0%)
- Yellow (19%)
- Black (35%)




- Cyan (100%)
- Magenta (35%)
- Yellow (48%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 28.6037, 0.2421, 0.3914 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 28.6037, 0.2421, 0.3914 by changing the saturation by 10% instead.


 28.6037, 0.2421,
0.3914


 28.6037, 0.2421,
0.3914


 295.3405, 0.2805,
0.3567


 18.7812, 0.2314,
0.4014


 57.4468, 0.2568,
0.3779

 11.5123, 0.2170,
0.4152


 77.2363, 0.2621,
0.3731


 6.4125, 0.1966,
0.4352


 101.1169, 0.2665,
0.3691

 3.0975, 0.1658,
0.4671

 129.4730, 0.2702,
0.3658

 1.1829, 0.0122,
0.5876

 162.6890, 0.2733,
0.3631

 0.0476, 0.0000,
1.0000

 201.1493, 0.2760,

 0.0000, 0.0000,

0.3607

0.0000

245.2384, 0.2784,
0.3586

■ 28.6037, 0.2421,
0.3914

■ 28.6037, 0.2421,
0.3914

■ 28.6005, 0.2421,
0.3916

■ 28.8103, 0.2421,
0.3845

■ 29.1145, 0.2436,
0.3775

■ 29.5552, 0.2469,
0.3706

■ 30.1497, 0.2521,
0.3637

■ 30.9126, 0.2591,
0.3570

■ 31.8568, 0.2677,
0.3506

■ 32.9939, 0.2777,
0.3445

■ 34.3347, 0.2887,
0.3389

■ 35.8889, 0.3006,
0.3337

Harmonies

Analogous

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



28.6037, 0.3064, 0.4508



28.6037, 0.2421, 0.3914



28.6037, 0.1998, 0.3141

Triad

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



28.6037, 0.2421, 0.3914



28.6037, 0.2408, 0.2190



28.6037, 0.4577, 0.3783

Complementary

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



28.6037, 0.2421, 0.3914



8.1130, 0.6066, 0.3118

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.



28.6037, 0.4390, 0.3241



28.6037, 0.2421, 0.3914



28.6037, 0.3052, 0.2375

Square

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



28.6037, 0.2421, 0.3914



28.6037, 0.2000, 0.2233



28.6037, 0.3801, 0.2747



28.6037, 0.4324, 0.4292

Rectangle

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



28.6037, 0.2421, 0.3914



28.6037, 0.1874, 0.2712



28.6037, 0.3801, 0.2747



28.6037, 0.4566, 0.3602

Sweetspot

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



28.6048, 0.2421, 0.3914



58.9237, 0.2769, 0.3450



27.2375, 0.3073, 0.5940



12.6974, 0.2728, 0.3474



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



28.6048, 0.2421, 0.3914



51.1957, 0.2424, 0.3928



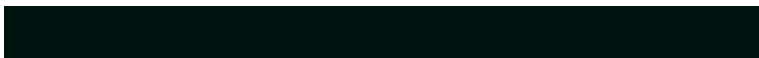
15.1191, 0.1971, 0.2293



7.9876, 0.3012, 0.3334



21.6450, 0.2419, 0.3909



0.4605, 0.2350, 0.3658

Inverse Universe

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



8.1130, 0.6066, 0.3118



14.4906, 0.6110, 0.3139



10.2600, 0.5941, 0.3661



7.1074, 0.3256, 0.3247



6.1366, 0.6049, 0.3106



0.1348, 0.5189, 0.2632

Previews

White Background



This preview shows how the Yxy color 28.6037, 0.2421, 0.3914 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 28.6037, 0.2421, 0.3914 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

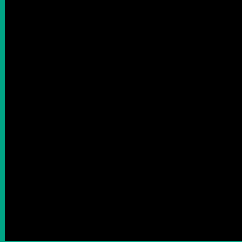
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.6037, 0.2421, 0.3914

Background



This preview shows how black text looks on a background with the Yxy color 28.6037, 0.2421, 0.3914.

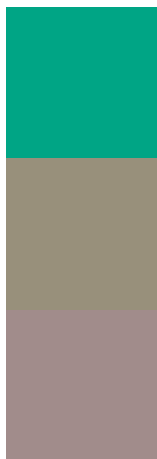


This preview shows how white text looks on a background with the Yxy color 28.6037, 0.2421, 0.3914.

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

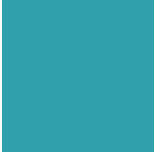
28.6037, 0.2421, 0.3914

Protanopia

28.0520, 0.3428, 0.3629

Deuteranopia

28.1973, 0.3369, 0.3306



Tritanopia

28.8117, 0.2271, 0.3060

Trichromacy



Original Color

28.6037, 0.2421, 0.3914



Protanomaly

26.5302, 0.2829, 0.3754



Deuteranomaly

26.1846, 0.2793, 0.3507



Tritanomaly

28.6006, 0.2310, 0.3361

Monochromacy



Original Color

28.6037, 0.2421, 0.3914



Achromatopsia

16.2029, 0.3127, 0.3290



Achromatomaly

18.9283, 0.2626, 0.3524

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.6037, 0.2421, 0.3914 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(0, 165, 133)` looks like.

```
.text, #text, p{  
  color:rgb(0, 165, 133)  
}
```

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(0, 165, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 165, 133) }
```

Border

The CSS property to change the border of an element to Yxy 28.6037, 0.2421, 0.3914 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(0, 165, 133) }
```

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

```
.border{ border-color:rgb(0, 165, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 165, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 165, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 165, 133);  
box-shadow:4px 4px 4px 4px rgb(0, 165,  
133) }
```


Background

The CSS property to change the background color of an element to Yxy 28.6037, 0.2421, 0.3914 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 165, 133) }
```

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

```
.background{ background-color: rgb(0, 165,  
133) }
```

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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