

Converting Colors

$Yxy(29.3760, 0.2559, 0.4616)$

Have a look what the booklet for
Yxy(29.3760, 0.2559, 0.4616)
contains.

Yxy(29.7489, 0.2613, 0.4607)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(29.7489, 0.2613, 0.4607)

Conversions

Conversions Part 1

Format	Color
Hex	00AA68
RGB	0, 170, 104
RGB Percent	0%, 67%, 41%
CMY	1.0000, 0.3333, 0.5921
CMYK	1.00, 0.00, 0.39, 0.33
HSL	157°, 100%, 33%
HSV	157°, 100%, 67%
XYZ	16.8730, 29.7489, 17.9514
YIQ	111.6460, -80.1340, -56.5660

Conversions

Conversions Part 2

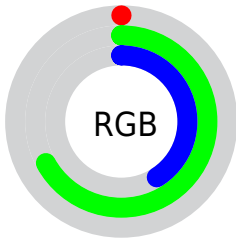
Format	Color
RYB	0, 105, 170
Decimal	43624
CIELab	61.44, -52.77, 23.85
CIELCh	61, 57.908, 155.683
Yxy	29.7489, 0.2613, 0.4607
Android (android.graphics.Color)	4278233704 (0xFF00AA68)
YUV	111.6460, -3.7695, -97.9135
Hunter-Lab	54.5426, -40.2297, 18.6659

Details

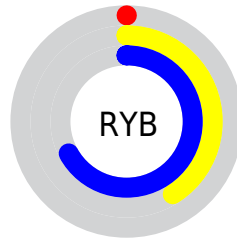
The Yxy color **29.7489, 0.2613, 0.4607** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **8.9397, 0.5411, 0.2755**, and the grayscale version is **16.1238, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.0683, 0.2734, 0.4294**, and **12.7763, 0.2721, 0.4995** is the 20% darker color. If you saturate the color by 10%, you get **29.7505, 0.2613, 0.4607**, and if you desaturate by 10%, it is **30.0091, 0.2595, 0.4462**.

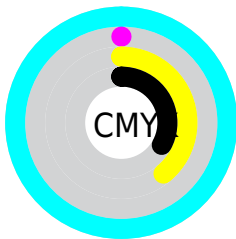
Distribution



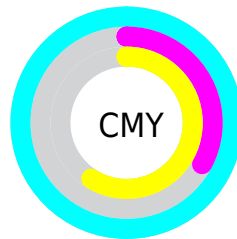
- Red (0%)
- Green (67%)
- Blue (41%)



- Red (0%)
- Yellow (41%)
- Blue (67%)



- Cyan (100%)
- Magenta (0%)
- Yellow (39%)
- Black (33%)




- Cyan (100%)
- Magenta (33%)
- Yellow (59%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 29.7489, 0.2613, 0.4607 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 29.7489, 0.2613, 0.4607 by changing the saturation by 10% instead.


 29.7489, 0.2613,
0.4607


 29.7489, 0.2613,
0.4607


 300.7323, 0.2914,
0.3850

 19.6481, 0.2520,
0.4836


 59.2649, 0.2735,
0.4304

 12.1395, 0.2387,
0.5156


 79.4488, 0.2776,
0.4199


 6.8387, 0.2186,
0.5633


 103.7625, 0.2810,
0.4114

 3.3615, 0.1854,
0.6400

 132.5904, 0.2838,
0.4043

 1.3232, 0.0000,
1.0000

 166.3170, 0.2862,
0.3983

 0.1591, 0.0000,
1.0000

 205.3266, 0.2882,

 0.0000, 0.0000,

0.3932

0.0000

250.0035, 0.2899,
0.3888

■ 29.7489, 0.2613,
0.4607

■ 29.7489, 0.2613,
0.4607

■ 29.7505, 0.2613,
0.4607

■ 30.0091, 0.2595,
0.4462

■ 30.3802, 0.2592,
0.4313

■ 30.9050, 0.2609,
0.4164

■ 31.6025, 0.2646,
0.4016

■ 32.4885, 0.2699,
0.3874

■ 33.5773, 0.2767,
0.3738

■ 34.8816, 0.2847,
0.3611

■ 36.4130, 0.2935,
0.3493

■ 38.1823, 0.3030,
0.3386

Harmonies

Analogous

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



29.7489, 0.3475, 0.5035



29.7489, 0.2613, 0.4607



29.7489, 0.1941, 0.3605

Triad

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



29.7489, 0.2613, 0.4607



29.7489, 0.1926, 0.1925



29.7489, 0.4926, 0.3490

Complementary

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



29.7489, 0.2613, 0.4607



8.9397, 0.5411, 0.2755

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.



29.7489, 0.4395, 0.2868



29.7489, 0.2613, 0.4607



29.7489, 0.2558, 0.2015

Square

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



29.7489, 0.2613, 0.4607



29.7489, 0.1613, 0.2119



29.7489, 0.3466, 0.2348



29.7489, 0.4851, 0.4150

Rectangle

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



29.7489, 0.2613, 0.4607



29.7489, 0.1680, 0.2944



29.7489, 0.3466, 0.2348



29.7489, 0.4814, 0.3276

Sweetspot

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



29.7505, 0.2613, 0.4607



63.1468, 0.2842, 0.3617



29.9798, 0.3245, 0.5805



13.8570, 0.2809, 0.3668



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.



29.7505, 0.2613, 0.4607



53.9328, 0.2620, 0.4632



25.6860, 0.2160, 0.2975



8.4820, 0.3037, 0.3379



21.8949, 0.2609, 0.4591



0.5423, 0.2475, 0.4109

Inverse Universe

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



8.9397, 0.5411, 0.2755



16.1798, 0.5456, 0.2779



8.9474, 0.6315, 0.3368



7.5887, 0.3227, 0.3203



6.5861, 0.5383, 0.2739



0.1703, 0.4518, 0.2262

Previews

White Background



This preview shows how the Yxy color 29.7489, 0.2613, 0.4607 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 29.7489, 0.2613, 0.4607 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 29.7489, 0.2613, 0.4607

Background



This preview shows how black text looks on a background with the Yxy color 29.7489, 0.2613, 0.4607.



This preview shows how white text looks on a background with the Yxy color 29.7489, 0.2613, 0.4607.

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

29.7489, 0.2613, 0.4607

Protanopia

29.1672, 0.3792, 0.4097

Deuteranopia

29.1961, 0.3820, 0.3736



Tritanopia

29.9279, 0.2313, 0.3065

Trichromacy



Original Color

29.7489, 0.2613, 0.4607



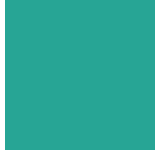
Protanomaly

27.1493, 0.3113, 0.4356



Deuteranomaly

26.9187, 0.3118, 0.4096



Tritanomaly

29.5115, 0.2395, 0.3585

Monochromacy



Original Color

29.7489, 0.2613, 0.4607



Achromatopsia

16.2029, 0.3127, 0.3290



Achromatomaly

19.2188, 0.2726, 0.3812

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.7489, 0.2613, 0.4607 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, 170, 104)` looks like.

```
.text, #text, p{  
    color:rgb(0, 170, 104)  
}
```

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, 170, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 170, 104) }
```

Border

The CSS property to change the border of an element to Yxy 29.7489, 0.2613, 0.4607 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, 170, 104) }
```

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

```
.border{ border-color:rgb(0, 170, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 170, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 170, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 170, 104);  
box-shadow:4px 4px 4px 4px rgb(0, 170,  
104) }
```


Background

The CSS property to change the background color of an element to Yxy 29.7489, 0.2613, 0.4607 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 170, 104) }
```

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

```
.background{ background-color: rgb(0, 170,  
104) }
```

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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