

Converting Colors

$Yxy(29.8467, 0.2528, 0.4258)$

Have a look what the booklet for
Yxy(29.8467, 0.2528, 0.4258)
contains.

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Color

Yxy(29.7965, 0.2526, 0.4251)

Conversions

Conversions Part 1

Format	Color
Hex	0AA978
RGB	10, 169, 120
RGB Percent	4%, 66%, 47%
CMY	0.9600, 0.3373, 0.5294
CMYK	0.94, 0.00, 0.29, 0.34
HSL	161°, 89%, 35%
HSV	161°, 94%, 66%
XYZ	17.7055, 29.7965, 22.5909
YIQ	115.8730, -79.0350, -48.9470

Conversions

Conversions Part 2

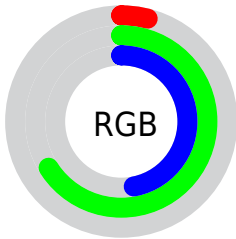
Format	Color
RYB	10, 104, 169
Decimal	698744
CIELab	61.48, -48.40, 15.18
CIELCh	61, 50.726, 162.584
Yxy	29.7965, 0.2526, 0.4251
Android (android.graphics.Color)	4278888824 (0xFF0AA978)
YUV	115.8730, 2.0346, -92.8506
Hunter-Lab	54.5862, -37.6279, 13.6727

Details

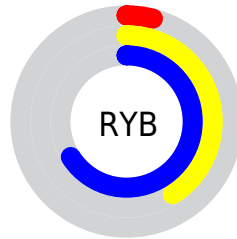
The Yxy color **29.7965, 0.2526, 0.4251** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **8.9737, 0.5530, 0.2874**, and the grayscale version is **17.4544, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.2087, 0.2659, 0.4039**, and **12.9457, 0.2600, 0.4558** is the 20% darker color. If you saturate the color by 10%, you get **29.6568, 0.2533, 0.4320**, and if you desaturate by 10%, it is **30.0962, 0.2523, 0.4136**.

Distribution



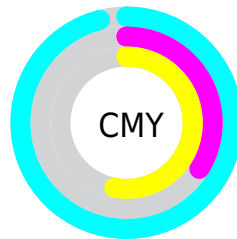
- Red (4%)
- Green (66%)
- Blue (47%)



- Red (4%)
- Yellow (41%)
- Blue (66%)



- Cyan (94%)
- Magenta (0%)
- Yellow (29%)
- Black (34%)





- Cyan (96%)
- Magenta (34%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.7965, 0.2526, 0.4251 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 29.7965, 0.2526, 0.4251 by changing the saturation by 10% instead.


 29.7965, 0.2526,
0.4251

 29.7965, 0.2526,
0.4251

300.9547, 0.2861,
0.3707

 19.6842, 0.2429,
0.4412


 59.3402, 0.2657,
0.4036


 12.1657, 0.2296,
0.4638


 79.5404, 0.2703,
0.3960

 6.8566, 0.2103,
0.4972


 103.8720, 0.2741,
0.3899

 3.3726, 0.1800,
0.5512

 132.7193, 0.2773,
0.3847

 1.3292, 0.0156,
0.7923

 166.4669, 0.2800,
0.3804

 0.1637, 0.0000,
1.0000

 205.4991, 0.2823,

 0.0000, 0.0000,

0.3767

0.0000

250.2002, 0.2843,
0.3735

■ 29.7965, 0.2526,
0.4251

■ 29.7965, 0.2526,
0.4251

■ 29.6568, 0.2533,
0.4320

■ 30.0962, 0.2523,
0.4136

■ 30.5343, 0.2538,
0.4019

■ 31.1319, 0.2574,
0.3904

■ 31.9055, 0.2627,
0.3791

■ 32.8696, 0.2697,
0.3683

■ 34.0373, 0.2781,
0.3581

■ 35.4202, 0.2875,
0.3486

■ 37.0293, 0.2977,
0.3399

■ 38.8747, 0.3084,
0.3319

Harmonies

Analogous

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



29.7965, 0.3279, 0.4777



29.7965, 0.2526, 0.4251



29.7965, 0.1978, 0.3368

Triad

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



29.7965, 0.2526, 0.4251



29.7965, 0.2160, 0.2061



29.7965, 0.4745, 0.3632

Complementary

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



29.7965, 0.2526, 0.4251



8.9737, 0.5530, 0.2874

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.



29.7965, 0.4388, 0.3049



29.7965, 0.2526, 0.4251



29.7965, 0.2798, 0.2195

Square

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



29.7965, 0.2526, 0.4251



29.7965, 0.1805, 0.2184



29.7965, 0.3629, 0.2544



29.7965, 0.4586, 0.4222

Rectangle

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



29.7965, 0.2526, 0.4251



29.7965, 0.1784, 0.2830



29.7965, 0.3629, 0.2544



29.7965, 0.4684, 0.3434

Sweetspot

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



29.7977, 0.2526, 0.4251



62.2652, 0.2831, 0.3528



29.3736, 0.3188, 0.5803



13.3531, 0.2792, 0.3568



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.



29.7977, 0.2526, 0.4251



53.0754, 0.2539, 0.4340



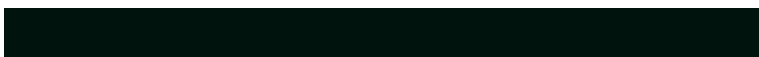
21.6526, 0.2104, 0.2736



8.4921, 0.3026, 0.3361



22.1133, 0.2530, 0.4308



0.5465, 0.2425, 0.3930

Inverse Universe

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



8.9737, 0.5530, 0.2874



15.5197, 0.5760, 0.2947



9.9284, 0.6043, 0.3498



7.5790, 0.3239, 0.3221



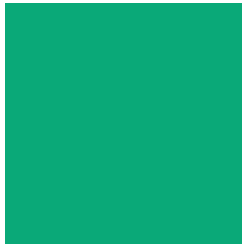
6.4809, 0.5689, 0.2908



0.1667, 0.4776, 0.2405

Previews

White Background



This preview shows how the Yxy color 29.7965, 0.2526, 0.4251 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 29.7965, 0.2526, 0.4251 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 29.7965, 0.2526, 0.4251

Background



This preview shows how black text looks on a background with the Yxy color 29.7965, 0.2526, 0.4251.



This preview shows how white text looks on a background with the Yxy color 29.7965, 0.2526, 0.4251.

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

29.7965, 0.2526, 0.4251

Protanopia

29.2623, 0.3619, 0.3872

Deuteranopia

29.2874, 0.3594, 0.3532



Tritanopia

29.8057, 0.2297, 0.3064

Trichromacy



Original Color

29.7965, 0.2526, 0.4251



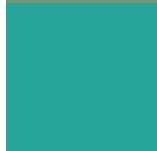
Protanomaly

27.6007, 0.2999, 0.4045



Deuteranomaly

27.2912, 0.2979, 0.3795



Tritanomaly

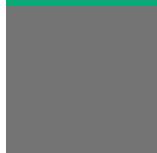
29.7279, 0.2364, 0.3471

Monochromacy



Original Color

29.7965, 0.2526, 0.4251



Achromatopsia

17.4647, 0.3127, 0.3290



Achromatomaly

20.2320, 0.2721, 0.3666

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.7965, 0.2526, 0.4251 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(10, 169, 120)` looks like.

```
.text, #text, p{  
    color:rgb(10, 169, 120)  
}
```

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(10, 169, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 169, 120) }
```

Border

The CSS property to change the border of an element to Yxy 29.7965, 0.2526, 0.4251 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(10, 169, 120) }
```

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

```
.border{ border-color:rgb(10, 169, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(10, 169, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 169, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 169, 120);  
box-shadow:4px 4px 4px 4px rgb(10, 169,  
120) }
```


Background

The CSS property to change the background color of an element to Yxy 29.7965, 0.2526, 0.4251 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 169, 120) }
```

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

```
.background{ background-color: rgb(10, 169,  
120) }
```

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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