

Converting Colors

$Yxy(30.2947, 0.2609, 0.4231)$

Have a look what the booklet for
Yxy(30.2947, 0.2609, 0.4231)
contains.

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Color

Yxy(30.3128, 0.2611, 0.4231)

Conversions

Conversions Part 1

Format	Color
Hex	2EA978
RGB	46, 169, 120
RGB Percent	18%, 66%, 47%
CMY	0.8192, 0.3373, 0.5295
CMYK	0.73, 0.00, 0.29, 0.34
HSL	156°, 57%, 42%
HSV	156°, 73%, 66%
XYZ	18.7064, 30.3128, 22.6253
YIQ	126.6370, -57.5790, -41.3150

Conversions

Conversions Part 2

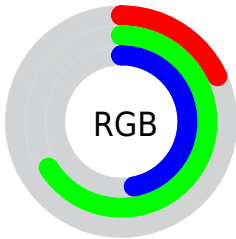
Format	Color
RYB	46, 123, 169
Decimal	3058040
CIELab	61.92, -45.04, 15.89
CIELCh	62, 47.757, 160.566
Yxy	30.3128, 0.2611, 0.4231
Android (android.graphics.Color)	4281248120 (0xFF2EA978)
YUV	126.6370, -3.2720, -70.7186
Hunter-Lab	55.0571, -35.7021, 14.1751

Details

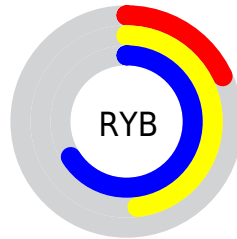
The Yxy color **30.3128, 0.2611, 0.4231** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **11.2244, 0.4553, 0.2633**, and the grayscale version is **21.1271, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.0802, 0.2726, 0.4026**, and **12.9457, 0.2600, 0.4558** is the 20% darker color. If you saturate the color by 10%, you get **29.8371, 0.2600, 0.4385**, and if you desaturate by 10%, it is **30.9570, 0.2641, 0.4078**.

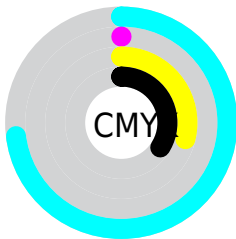
Distribution



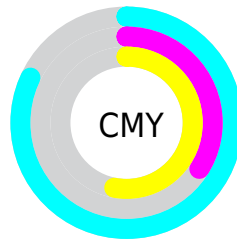
- Red (18%)
- Green (66%)
- Blue (47%)



- Red (18%)
- Yellow (48%)
- Blue (66%)



- Cyan (73%)
- Magenta (0%)
- Yellow (29%)
- Black (34%)





- Cyan (82%)
- Magenta (34%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.3128, 0.2611, 0.4231 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 30.3128, 0.2611, 0.4231 by changing the saturation by 10% instead.

 30.3128, 0.2611,
0.4231


 30.3128, 0.2611,
0.4231


303.3598, 0.2900,
0.3699

 20.0761, 0.2527,
0.4388


 60.1565, 0.2724,
0.4021


 12.4504, 0.2411,
0.4607


 80.5323, 0.2764,
0.3947

 7.0512, 0.2241,
0.4930


 105.0567, 0.2797,
0.3887

 3.4941, 0.1971,
0.5453

 134.1139, 0.2824,
0.3837

 1.3948, 0.0827,
0.7434

 168.0884, 0.2848,
0.3795

 0.2129, 0.0000,
1.0000

207.3647, 0.2868,

 0.0000, 0.0000,

0.3758

0.0000

252.3270, 0.2885,
0.3727

■ 30.3128, 0.2611,
0.4231

■ 30.3128, 0.2611,
0.4231

■ 29.8371, 0.2600,
0.4385

■ 30.9570, 0.2641,
0.4078

■ 29.5068, 0.2609,
0.4536

■ 31.7824, 0.2689,
0.3930

■ 29.3268, 0.2623,
0.4644

■ 32.8048, 0.2753,
0.3788

■ 34.0370, 0.2829,
0.3654

■ 35.4907, 0.2914,
0.3531

■ 37.1769, 0.3005,
0.3418

■ 39.1058, 0.3101,
0.3316

■ 41.2867, 0.3198,
0.3225

■ 43.7289, 0.3295,
0.3143

Harmonies

Analogous

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



30.3128, 0.3329, 0.4686



30.3128, 0.2611, 0.4231



30.3128, 0.2071, 0.3424

Triad

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



30.3128, 0.2611, 0.4231



30.3128, 0.2184, 0.2127



30.3128, 0.4638, 0.3587

Complementary

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



30.3128, 0.2611, 0.4231



11.2244, 0.4553, 0.2633

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.



30.3128, 0.4269, 0.3033



30.3128, 0.2611, 0.4231



30.3128, 0.2773, 0.2237

Square

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



30.3128, 0.2611, 0.4231



30.3128, 0.1862, 0.2266



30.3128, 0.3547, 0.2558



30.3128, 0.4527, 0.4146

Rectangle

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



30.3128, 0.2611, 0.4231



30.3128, 0.1870, 0.2911



30.3128, 0.3547, 0.2558



30.3128, 0.4567, 0.3398

Sweetspot

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



30.3140, 0.2611, 0.4231



63.6564, 0.2917, 0.3527



31.0201, 0.3349, 0.5348



13.7192, 0.2894, 0.3557



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.



30.3140, 0.2611, 0.4231



53.0630, 0.2603, 0.4473



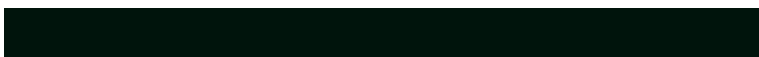
27.4629, 0.2267, 0.3067



8.4806, 0.3038, 0.3382



21.8681, 0.2619, 0.4629



0.5417, 0.2481, 0.4133

Inverse Universe

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



11.2244, 0.4553, 0.2633



16.9735, 0.5035, 0.2649



11.6977, 0.5413, 0.3444



7.5900, 0.3226, 0.3200



6.6023, 0.5340, 0.2716



0.1708, 0.4486, 0.2245

Previews

White Background



This preview shows how the Yxy color 30.3128, 0.2611, 0.4231 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 30.3128, 0.2611, 0.4231 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

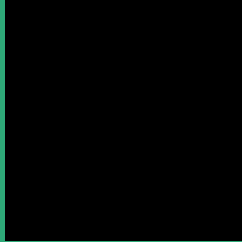
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.3128, 0.2611, 0.4231

Background



This preview shows how black text looks on a background with the Yxy color 30.3128, 0.2611, 0.4231.



This preview shows how white text looks on a background with the Yxy color 30.3128, 0.2611, 0.4231.

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

30.3128, 0.2611, 0.4231

Protanopia

29.6984, 0.3616, 0.3869

Deuteranopia

29.8092, 0.3613, 0.3545



Tritanopia

30.2754, 0.2356, 0.3067

Trichromacy



Original Color

30.3128, 0.2611, 0.4231



Protanomaly

28.8434, 0.3130, 0.4031



Deuteranomaly

28.3473, 0.3124, 0.3774



Tritanomaly

30.3010, 0.2444, 0.3467

Monochromacy



Original Color

30.3128, 0.2611, 0.4231



Achromatopsia

21.2231, 0.3127, 0.3290



Achromatomaly

23.3979, 0.2851, 0.3635

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.3128, 0.2611, 0.4231 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(46, 169, 120)` looks like.

```
.text, #text, p{  
    color:rgb(46, 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(46, 169, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 169, 120) }
```

Border

The CSS property to change the border of an element to Yxy 30.3128, 0.2611, 0.4231 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(46, 169, 120) }
```

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

```
.border{ border-color:rgb(46, 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(46, 169, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 169, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 169, 120);  
box-shadow:4px 4px 4px 4px rgb(46, 169,  
120) }
```


Background

The CSS property to change the background color of an element to Yxy 30.3128, 0.2611, 0.4231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 169, 120) }
```

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

```
.background{ background-color: rgb(46, 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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