

Converting Colors

$Yxy(30.4964, 0.2547, 0.4048)$

Have a look what the booklet for
Yxy(30.4964, 0.2547, 0.4048)
contains.

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Color

Yxy(30.4964, 0.2547, 0.4048)

Conversions

Conversions Part 1

Format	Color
Hex	2CA981
RGB	44, 169, 129
RGB Percent	17%, 66%, 51%
CMY	0.8277, 0.3372, 0.4940
CMYK	0.74, 0.00, 0.24, 0.34
HSL	161°, 59%, 42%
HSV	161°, 74%, 66%
XYZ	19.1883, 30.4964, 25.6522
YIQ	127.0650, -61.6600, -38.9400

Conversions

Conversions Part 2

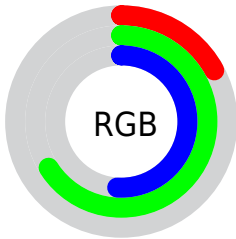
Format	Color
RYB	44, 118, 169
Decimal	2926977
CIELab	62.08, -43.24, 11.10
CIELCh	62, 44.638, 165.605
Yxy	30.4964, 0.2547, 0.4048
Android (android.graphics.Color)	4281117057 (0xFF2CA981)
YUV	127.0650, 0.9540, -72.8480
Hunter-Lab	55.2235, -34.6185, 11.1153

Details

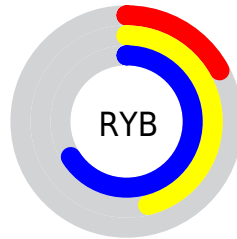
The Yxy color **30.4964, 0.2547, 0.4048** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **10.8713, 0.4810, 0.2773**, and the grayscale version is **21.2548, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.4160, 0.2669, 0.3880**, and **13.0700, 0.2525, 0.4289** is the 20% darker color. If you saturate the color by 10%, you get **30.0571, 0.2532, 0.4169**, and if you desaturate by 10%, it is **31.0980, 0.2581, 0.3928**.

Distribution



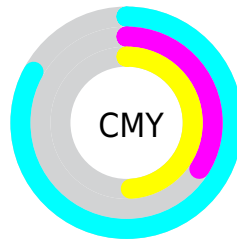
- Red (17%)
- Green (66%)
- Blue (51%)



- Red (17%)
- Yellow (46%)
- Blue (66%)



- Cyan (74%)
- Magenta (0%)
- Yellow (24%)
- Black (34%)




- Cyan (83%)
- Magenta (34%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.4964, 0.2547, 0.4048 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 30.4964, 0.2547, 0.4048 by changing the saturation by 10% instead.


 30.4964, 0.2547,
0.4048


 30.4964, 0.2547,
0.4048


304.2115, 0.2865,
0.3625


 20.2157, 0.2458,
0.4171

 60.4463, 0.2670,
0.3882


 12.5519, 0.2336,
0.4341


 80.8843, 0.2713,
0.3824


 7.1207, 0.2162,
0.4590


 105.4768, 0.2750,
0.3776

 3.5377, 0.1895,
0.4988

 134.6083, 0.2780,
0.3736

 1.4185, 0.0932,
0.6129

 168.6631, 0.2806,
0.3702

 0.2303, 0.0000,
1.0000

208.0257, 0.2828,

 0.0000, 0.0000,

0.3672

0.0000

253.0803, 0.2848,
0.3647

■ 30.4964, 0.2547,
0.4048

■ 30.4964, 0.2547,
0.4048

■ 30.0571, 0.2532,
0.4169

■ 31.0980, 0.2581,
0.3928

■ 29.7565, 0.2537,
0.4289

■ 31.8750, 0.2634,
0.3811

■ 29.6151, 0.2545,
0.4361

■ 32.8431, 0.2703,
0.3699

■ 34.0151, 0.2785,
0.3593

■ 35.4030, 0.2878,
0.3494

■ 37.0175, 0.2978,
0.3403

■ 38.8689, 0.3084,
0.3321

■ 40.9667, 0.3192,
0.3246

■ 43.3198, 0.3301,
0.3180

Harmonies

Analogous

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



30.4964, 0.3207, 0.4549



30.4964, 0.2547, 0.4048



30.4964, 0.2076, 0.3292

Triad

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



30.4964, 0.2547, 0.4048



30.4964, 0.2317, 0.2195



30.4964, 0.4553, 0.3671

Complementary

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



30.4964, 0.2547, 0.4048



10.8713, 0.4810, 0.2773

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.



30.4964, 0.4279, 0.3139



30.4964, 0.2547, 0.4048



30.4964, 0.2912, 0.2335

Square

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



30.4964, 0.2547, 0.4048



30.4964, 0.1967, 0.2288



30.4964, 0.3645, 0.2669



30.4964, 0.4387, 0.4187

Rectangle

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



30.4964, 0.2547, 0.4048



30.4964, 0.1915, 0.2838



30.4964, 0.3645, 0.2669



30.4964, 0.4512, 0.3491

Sweetspot

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



30.4976, 0.2547, 0.4048



63.8374, 0.2894, 0.3479



30.5200, 0.3279, 0.5425



13.7626, 0.2869, 0.3503



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.



30.4976, 0.2547, 0.4048



53.4466, 0.2533, 0.4248



24.6292, 0.2220, 0.2906



8.4906, 0.3028, 0.3363



22.0806, 0.2541, 0.4348



0.5459, 0.2432, 0.3955

Inverse Universe

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



10.8713, 0.4810, 0.2773



16.4452, 0.5382, 0.2825



12.3728, 0.5365, 0.3551



7.5804, 0.3238, 0.3218



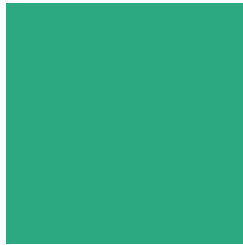
6.4941, 0.5648, 0.2885



0.1672, 0.4737, 0.2383

Previews

White Background



This preview shows how the Yxy color 30.4964, 0.2547, 0.4048 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 30.4964, 0.2547, 0.4048 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 30.4964, 0.2547, 0.4048

Background



This preview shows how black text looks on a background with the Yxy color 30.4964, 0.2547, 0.4048.



This preview shows how white text looks on a background with the Yxy color 30.4964, 0.2547, 0.4048.

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

30.4964, 0.2547, 0.4048

Protanopia

30.0959, 0.3520, 0.3760

Deuteranopia

30.1308, 0.3491, 0.3426



Tritanopia

30.5223, 0.2336, 0.3067

Trichromacy



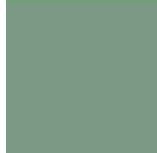
Original Color

30.4964, 0.2547, 0.4048



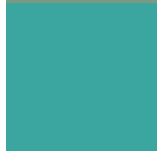
Protanomaly

28.9889, 0.3043, 0.3869



Deuteranomaly

28.7610, 0.3023, 0.3632



Tritanomaly

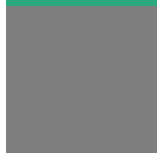
30.3433, 0.2407, 0.3395

Monochromacy



Original Color

30.4964, 0.2547, 0.4048



Achromatopsia

21.2231, 0.3127, 0.3290



Achromatomaly

23.4459, 0.2806, 0.3557

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.4964, 0.2547, 0.4048 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(44, 169, 129)` looks like.

```
.text, #text, p{  
    color:rgb(44, 169, 129)  
}
```

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(44, 169, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 169, 129) }
```

Border

The CSS property to change the border of an element to Yxy 30.4964, 0.2547, 0.4048 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(44, 169, 129) }
```

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

```
.border{ border-color:rgb(44, 169, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 169, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 169, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 169, 129);  
box-shadow:4px 4px 4px 4px rgb(44, 169,  
129) }
```


Background

The CSS property to change the background color of an element to Yxy 30.4964, 0.2547, 0.4048 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 169, 129) }
```

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

```
.background{ background-color: rgb(44, 169,  
129) }
```

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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