

Converting Colors

$Yxy(30.3641, 0.2649, 0.4287)$

Have a look what the booklet for
Yxy(30.3641, 0.2649, 0.4287)
contains.

Yxy(30.3641, 0.2649, 0.4287)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(30.3641, 0.2649, 0.4287)

Conversions

Conversions Part 1

Format	Color
Hex	33A975
RGB	51, 169, 117
RGB Percent	20%, 66%, 46%
CMY	0.8002, 0.3372, 0.5412
CMYK	0.70, 0.00, 0.31, 0.34
HSL	154°, 54%, 43%
HSV	154°, 70%, 66%
XYZ	18.7624, 30.3641, 21.7018
YIQ	127.7900, -53.6360, -41.1880

Conversions

Conversions Part 2

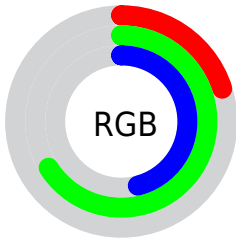
Format	Color
RYB	51, 127, 169
Decimal	3385717
CIELab	61.97, -44.94, 17.60
CIElCh	62, 48.259, 158.612
Yxy	30.3641, 0.2649, 0.4287
Android (android.graphics.Color)	4281575797 (0xFF33A975)
YUV	127.7900, -5.3195, -67.3448
Hunter-Lab	55.1036, -35.6533, 15.2220

Details

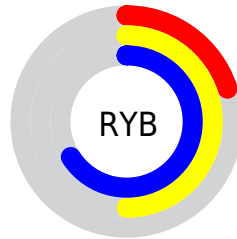
The Yxy color **30.3641, 0.2649, 0.4287** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **11.7781, 0.4364, 0.2571**, and the grayscale version is **21.5391, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.1597, 0.2756, 0.4067**, and **12.9081, 0.2624, 0.4648** is the 20% darker color. If you saturate the color by 10%, you get **29.8354, 0.2636, 0.4458**, and if you desaturate by 10%, it is **31.0686, 0.2681, 0.4118**.

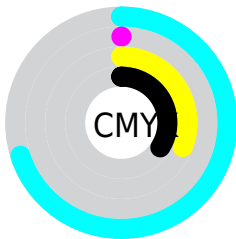
Distribution



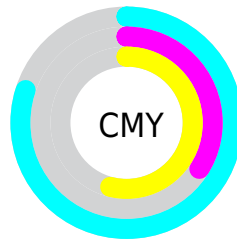
- Red (20%)
- Green (66%)
- Blue (46%)



- Red (20%)
- Yellow (50%)
- Blue (66%)



- Cyan (70%)
- Magenta (0%)
- Yellow (31%)
- Black (34%)




- Cyan (80%)
- Magenta (34%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.3641, 0.2649, 0.4287 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 30.3641, 0.2649, 0.4287 by changing the saturation by 10% instead.


 30.3641, 0.2649,
0.4287


 30.3641, 0.2649,
0.4287


303.5979, 0.2919,
0.3722


 20.1151, 0.2569,
0.4454


 60.2375, 0.2756,
0.4064


 12.4787, 0.2458,
0.4688


 80.6307, 0.2793,
0.3985

 7.0706, 0.2294,
0.5033


 105.1741, 0.2824,
0.3922

 3.5063, 0.2029,
0.5592

 134.2521, 0.2849,
0.3868

 1.4014, 0.0914,
0.7892

 168.2491, 0.2871,
0.3823

 0.2178, 0.0000,
1.0000

207.5495, 0.2889,

 0.0000, 0.0000,

0.3785

0.0000

252.5376, 0.2905,
0.3752

■ 30.3641, 0.2649,
0.4287

■ 30.3641, 0.2649,
0.4287

■ 29.8354, 0.2636,
0.4458

■ 31.0686, 0.2681,
0.4118

■ 29.4603, 0.2642,
0.4626

■ 31.9612, 0.2731,
0.3954

■ 29.2000, 0.2664,
0.4789

■ 33.0571, 0.2794,
0.3798

■ 29.1963, 0.2664,
0.4792

■ 34.3689, 0.2868,
0.3653

■ 35.9081, 0.2951,
0.3519

■ 37.6855, 0.3038,
0.3398

■ 39.7112, 0.3129,
0.3288

■ 41.9946, 0.3220,
0.3191

■ 44.5446, 0.3310,
0.3105

Harmonies

Analogous

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



30.3641, 0.3379, 0.4711



30.3641, 0.2649, 0.4287



30.3641, 0.2089, 0.3479

Triad

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



30.3641, 0.2649, 0.4287



30.3641, 0.2146, 0.2118



30.3641, 0.4643, 0.3551

Complementary

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



30.3641, 0.2649, 0.4287



11.7781, 0.4364, 0.2571

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.



30.3641, 0.4241, 0.2996



30.3641, 0.2649, 0.4287



30.3641, 0.2723, 0.2214

Square

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



30.3641, 0.2649, 0.4287



30.3641, 0.1840, 0.2275



30.3641, 0.3498, 0.2525



30.3641, 0.4561, 0.4117

Rectangle

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



30.3641, 0.2649, 0.4287



30.3641, 0.1873, 0.2953



30.3641, 0.3498, 0.2525



30.3641, 0.4561, 0.3361

Sweetspot

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



30.3653, 0.2649, 0.4287



63.8562, 0.2938, 0.3539



31.5647, 0.3406, 0.5243



13.7548, 0.2916, 0.3573



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.



30.3653, 0.2649, 0.4287



53.0179, 0.2637, 0.4553



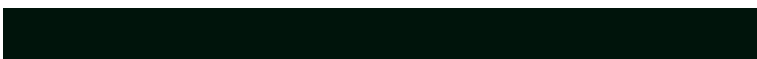
29.7987, 0.2312, 0.3184



8.4754, 0.3043, 0.3391



21.7691, 0.2660, 0.4775



0.5397, 0.2508, 0.4228

Inverse Universe

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



11.7781, 0.4364, 0.2571



17.5804, 0.4800, 0.2552



11.5868, 0.5354, 0.3369



7.5952, 0.3220, 0.3191



6.6700, 0.5170, 0.2622



0.1726, 0.4369, 0.2181

Previews

White Background



This preview shows how the Yxy color 30.3641, 0.2649, 0.4287 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 30.3641, 0.2649, 0.4287 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

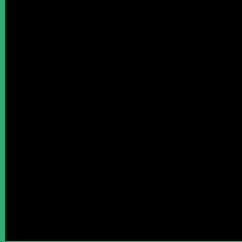
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.3641, 0.2649, 0.4287

Background



This preview shows how black text looks on a background with the Yxy color 30.3641, 0.2649, 0.4287.



This preview shows how white text looks on a background with the Yxy color 30.3641, 0.2649, 0.4287.

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

30.3641, 0.2649, 0.4287

Protanopia

29.7361, 0.3657, 0.3913

Deuteranopia

29.8456, 0.3657, 0.3589



Tritanopia

30.3917, 0.2371, 0.3068

Trichromacy



Original Color

30.3641, 0.2649, 0.4287



Protanomaly

28.9177, 0.3176, 0.4081



Deuteranomaly

28.4261, 0.3172, 0.3824



Tritanomaly

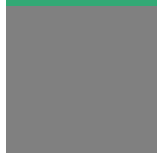
30.4016, 0.2468, 0.3485

Monochromacy



Original Color

30.3641, 0.2649, 0.4287



Achromatopsia

21.5861, 0.3127, 0.3290



Achromatomaly

23.8095, 0.2870, 0.3652

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.3641, 0.2649, 0.4287 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(51, 169, 117)` looks like.

```
.text, #text, p{  
    color:rgb(51, 169, 117)  
}
```

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(51, 169, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 169, 117) }
```

Border

The CSS property to change the border of an element to Yxy 30.3641, 0.2649, 0.4287 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(51, 169, 117) }
```

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

```
.border{ border-color:rgb(51, 169, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 169, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 169, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 169, 117);  
box-shadow:4px 4px 4px 4px rgb(51, 169,  
117) }
```


Background

The CSS property to change the background color of an element to Yxy 30.3641, 0.2649, 0.4287 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 169, 117) }
```

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

```
.background{ background-color: rgb(51, 169,  
117) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor