

Converting Colors

$Y_{xy}(30.8330, 0.2665, 0.4072)$

Have a look what the booklet for
Yxy(30.8330, 0.2665, 0.4072)
contains.

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Color

$\text{Yxy}(30.7049, 0.2664, 0.4073)$

Conversions

Conversions Part 1

Format	Color
Hex	43A87E
RGB	67, 168, 126
RGB Percent	26%, 66%, 49%
CMY	0.7372, 0.3412, 0.5060
CMYK	0.60, 0.00, 0.25, 0.34
HSL	155°, 43%, 46%
HSV	155°, 60%, 66%
XYZ	20.0829, 30.7049, 24.5986
YIQ	133.0130, -46.7140, -34.4740

Conversions

Conversions Part 2

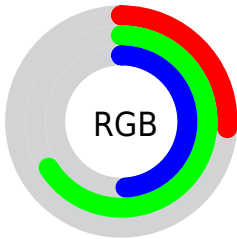
Format	Color
RYB	67, 131, 168
Decimal	4434046
CIELab	62.26, -39.51, 13.12
CIELCh	62, 41.633, 161.634
Yxy	30.7049, 0.2664, 0.4073
Android (android.graphics.Color)	4282624126 (0xFF43A87E)
YUV	133.0130, -3.4574, -57.8934
Hunter-Lab	55.4120, -32.2773, 12.4683

Details

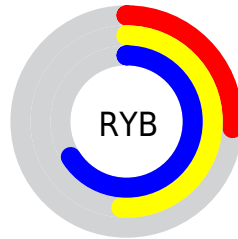
The Yxy color **30.7049, 0.2664, 0.4073** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **13.4471, 0.4156, 0.2671**, and the grayscale version is **23.4878, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.8511, 0.2762, 0.3899**, and **12.7973, 0.2544, 0.4358** is the 20% darker color. If you saturate the color by 10%, you get **30.0216, 0.2630, 0.4232**, and if you desaturate by 10%, it is **31.5755, 0.2715, 0.3919**.

Distribution



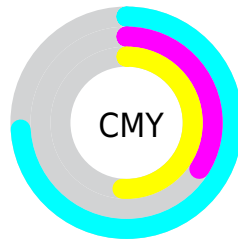
- Red (26%)
- Green (66%)
- Blue (49%)



- Red (26%)
- Yellow (51%)
- Blue (66%)



- Cyan (60%)
- Magenta (0%)
- Yellow (25%)
- Black (34%)





- Cyan (74%)
- Magenta (34%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.7049, 0.2664, 0.4073 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 30.7049, 0.2664, 0.4073 by changing the saturation by 10% instead.

 30.7049, 0.2664,
0.4073


 30.7049, 0.2664,
0.4073


305.1765, 0.2920,
0.3635


 20.3742, 0.2590,
0.4201

 60.7752, 0.2764,
0.3901


 12.6674, 0.2490,
0.4378


 81.2836, 0.2799,
0.3840


 7.1999, 0.2343,
0.4638


 105.9533, 0.2828,
0.3791

 3.5874, 0.2113,
0.5056

 135.1689, 0.2853,
0.3749

 1.4456, 0.1395,
0.6201

 169.3145, 0.2873,
0.3714

 0.2499, 0.0000,
1.0000

208.7748, 0.2891,

 0.0000, 0.0000,

0.3684

0.0000

253.9340, 0.2907,
0.3658

■ 30.7049, 0.2664,
0.4073

■ 30.7049, 0.2664,
0.4073

■ 30.0216, 0.2630,
0.4232

■ 31.5755, 0.2715,
0.3919

■ 29.5063, 0.2615,
0.4393

■ 32.6435, 0.2780,
0.3772

■ 29.1420, 0.2620,
0.4552

■ 33.9226, 0.2857,
0.3636

■ 28.8898, 0.2640,
0.4705

■ 35.4242, 0.2942,
0.3509

■ 37.1588, 0.3033,
0.3395

■ 39.1362, 0.3126,
0.3291

■ 41.3658, 0.3221,
0.3199

■ 43.8563, 0.3315,
0.3117

■ 46.6162, 0.3407,
0.3045

Harmonies

Analogous

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



30.7049, 0.3296, 0.4482



30.7049, 0.2664, 0.4073



30.7049, 0.2188, 0.3389

Triad

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



30.7049, 0.2664, 0.4073



30.7049, 0.2311, 0.2259



30.7049, 0.4446, 0.3590

Complementary

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



30.7049, 0.2664, 0.4073



13.4471, 0.4156, 0.2671

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.



30.7049, 0.4136, 0.3090



30.7049, 0.2664, 0.4073



30.7049, 0.2844, 0.2362

Square

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



30.7049, 0.2664, 0.4073



30.7049, 0.2011, 0.2383



30.7049, 0.3521, 0.2657



30.7049, 0.4349, 0.4080

Rectangle

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



30.7049, 0.2664, 0.4073



30.7049, 0.2010, 0.2951



30.7049, 0.3521, 0.2657



30.7049, 0.4387, 0.3420

Sweetspot

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



30.7061, 0.2664, 0.4073



64.8078, 0.2958, 0.3488



31.6692, 0.3370, 0.5003



13.9451, 0.2933, 0.3522



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.



30.7061, 0.2664, 0.4073



54.1441, 0.2623, 0.4284



29.0202, 0.2368, 0.3141



8.4784, 0.3040, 0.3386



21.8260, 0.2636, 0.4690



0.5409, 0.2492, 0.4172

Inverse Universe

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



13.4471, 0.4156, 0.2671



20.0228, 0.4524, 0.2600



13.8222, 0.4870, 0.3415



7.5922, 0.3223, 0.3196



6.6295, 0.5270, 0.2677



0.1716, 0.4437, 0.2218

Previews

White Background



This preview shows how the Yxy color 30.7049, 0.2664, 0.4073 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 30.7049, 0.2664, 0.4073 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

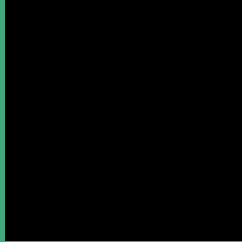
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.7049, 0.2664, 0.4073

Background



This preview shows how black text looks on a background with the Yxy color 30.7049, 0.2664, 0.4073.



This preview shows how white text looks on a background with the Yxy color 30.7049, 0.2664, 0.4073.

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

30.7049, 0.2664, 0.4073

Protanopia

30.1502, 0.3551, 0.3789

Deuteranopia

30.1313, 0.3545, 0.3485



Tritanopia

30.7748, 0.2417, 0.3071

Trichromacy



Original Color

30.7049, 0.2664, 0.4073

Protanomaly

29.5686, 0.3156, 0.3908

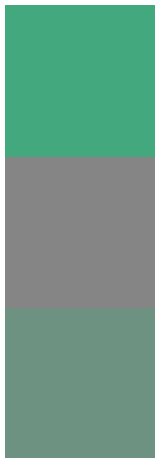
Deuteranomaly

29.3540, 0.3148, 0.3692

Tritanomaly

30.5630, 0.2502, 0.3411

Monochromacy



Original Color

30.7049, 0.2664, 0.4073

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

25.4207, 0.2905, 0.3582

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.7049, 0.2664, 0.4073 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(67, 168, 126)` looks like.

```
.text, #text, p{  
    color:rgb(67, 168, 126)  
}
```

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(67, 168, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 168, 126) }
```

Border

The CSS property to change the border of an element to Yxy 30.7049, 0.2664, 0.4073 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(67, 168, 126) }
```

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

```
.border{ border-color:rgb(67, 168, 126) }
```

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

Here you see how a box with a 4 pixel rgb(67, 168, 126) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 168, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 168, 126);  
box-shadow:4px 4px 4px 4px rgb(67, 168,  
126) }
```


Background

The CSS property to change the background color of an element to Yxy 30.7049, 0.2664, 0.4073 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 168, 126) }
```

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

```
.background{ background-color: rgb(67, 168,  
126) }
```

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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