

Converting Colors

$Y_{xy}(29.9800, 0.2734, 0.4174)$

Have a look what the booklet for
Yxy(29.9800, 0.2734, 0.4174)
contains.

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Color

Yxy(29.9821, 0.2734, 0.4174)

Conversions

Conversions Part 1

Format	Color
Hex	48A677
RGB	72, 166, 119
RGB Percent	28%, 65%, 47%
CMY	0.7177, 0.3490, 0.5333
CMYK	0.57, 0.00, 0.28, 0.35
HSL	150°, 40%, 47%
HSV	150°, 57%, 65%
XYZ	19.6385, 29.9821, 22.2100
YIQ	132.5360, -40.9370, -34.5450

Conversions

Conversions Part 2

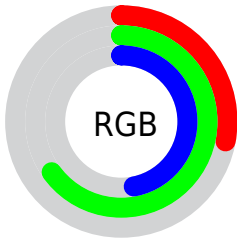
Format	Color
RYB	72, 135, 166
Decimal	4761207
CIELab	61.64, -39.06, 16.13
CIELCh	62, 42.257, 157.562
Yxy	29.9821, 0.2734, 0.4174
Android (android.graphics.Color)	4282951287 (0xFF48A677)
YUV	132.5360, -6.6732, -53.0901
Hunter-Lab	54.7559, -31.8029, 14.2800

Details

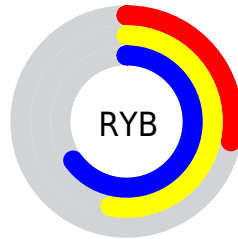
The Yxy color **29.9821, 0.2734, 0.4174** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **14.0718, 0.3923, 0.2583**, and the grayscale version is **23.3138, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.7720, 0.2825, 0.3985**, and **12.2525, 0.2591, 0.4529** is the 20% darker color. If you saturate the color by 10%, you get **29.2385, 0.2701, 0.4366**, and if you desaturate by 10%, it is **30.9178, 0.2783, 0.3989**.

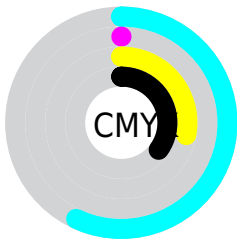
Distribution



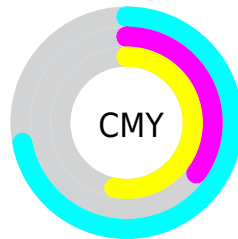
- Red (28%)
- Green (65%)
- Blue (47%)



- Red (28%)
- Yellow (53%)
- Blue (65%)



- Cyan (57%)
- Magenta (0%)
- Yellow (28%)
- Black (35%)





- Cyan (72%)
- Magenta (35%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.9821, 0.2734, 0.4174 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 29.9821, 0.2734, 0.4174 by changing the saturation by 10% instead.


 29.9821, 0.2734,
0.4174

 29.9821, 0.2734,
0.4174


301.8210, 0.2957,
0.3675


 19.8250, 0.2668,
0.4321


 59.6339, 0.2822,
0.3977


 12.2679, 0.2576,
0.4527


 79.8973, 0.2853,
0.3908

 6.9264, 0.2438,
0.4831


 104.2984, 0.2878,
0.3851

 3.4161, 0.2215,
0.5325

 133.2214, 0.2899,
0.3804

 1.3526, 0.1428,
0.7122

 167.0507, 0.2917,
0.3764

 0.1814, 0.0000,
1.0000

206.1709, 0.2932,

 0.0000, 0.0000,

0.3730

0.0000

250.9662, 0.2945,
0.3701

■ 29.9821, 0.2734,
0.4174

■ 29.9821, 0.2734,
0.4174

■ 29.2385, 0.2701,
0.4366

■ 30.9178, 0.2783,
0.3989

■ 28.6687, 0.2685,
0.4559

■ 32.0549, 0.2844,
0.3815

■ 28.2569, 0.2689,
0.4750

■ 33.4067, 0.2915,
0.3653

■ 27.9790, 0.2712,
0.4933

■ 34.9839, 0.2992,
0.3505

■ 27.8989, 0.2720,
0.4993

■ 36.7968, 0.3073,
0.3371

■ 38.8549, 0.3155,
0.3251

■ 41.1672, 0.3237,
0.3145

■ 43.7423, 0.3317,
0.3052

■ 46.5882, 0.3396,
0.2969

Harmonies

Analogous

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



29.9821, 0.3388, 0.4532



29.9821, 0.2734, 0.4174



29.9821, 0.2220, 0.3488

Triad

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



29.9821, 0.2734, 0.4174



29.9821, 0.2238, 0.2241



29.9821, 0.4457, 0.3523

Complementary

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



29.9821, 0.2734, 0.4174



14.0718, 0.3923, 0.2583

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.



29.9821, 0.4087, 0.3019



29.9821, 0.2734, 0.4174



29.9821, 0.2751, 0.2317

Square

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



29.9821, 0.2734, 0.4174



29.9821, 0.1967, 0.2400



29.9821, 0.3433, 0.2594



29.9821, 0.4411, 0.4030

Rectangle

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



29.9821, 0.2734, 0.4174



29.9821, 0.2014, 0.3026



29.9821, 0.3433, 0.2594



29.9821, 0.4378, 0.3350

Sweetspot

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



29.9833, 0.2734, 0.4174



63.2812, 0.2987, 0.3514



31.6631, 0.3441, 0.4861



14.0325, 0.2972, 0.3542



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.



29.9833, 0.2734, 0.4174



52.7612, 0.2695, 0.4416



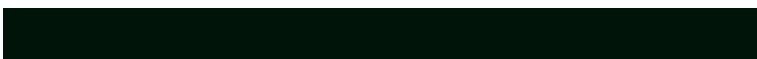
31.4043, 0.2428, 0.3288



8.4680, 0.3051, 0.3405



21.6427, 0.2716, 0.4977



0.5369, 0.2546, 0.4364

Inverse Universe

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



14.0718, 0.3923, 0.2583



20.9979, 0.4203, 0.2476



13.2082, 0.4793, 0.3295



7.6025, 0.3211, 0.3178



6.7798, 0.4924, 0.2486



0.1753, 0.4218, 0.2097

Previews

White Background



This preview shows how the Yxy color 29.9821, 0.2734, 0.4174 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 29.9821, 0.2734, 0.4174 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

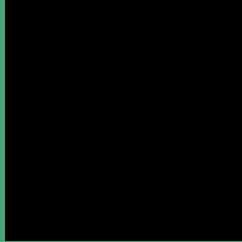
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 29.9821, 0.2734, 0.4174

Background



This preview shows how black text looks on a background with the Yxy color 29.9821, 0.2734, 0.4174.



This preview shows how white text looks on a background with the Yxy color 29.9821, 0.2734, 0.4174.

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

29.9821, 0.2734, 0.4174

Protanopia

29.5966, 0.3605, 0.3871

Deuteranopia

29.4592, 0.3639, 0.3561



Tritanopia

29.8495, 0.2454, 0.3069

Trichromacy



Original Color

29.9821, 0.2734, 0.4174

Protanomaly

29.1696, 0.3221, 0.3996

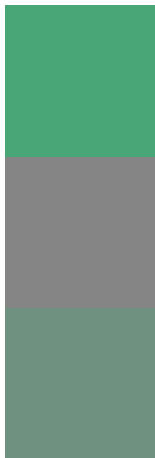
Deuteranomaly

28.6893, 0.3237, 0.3779

Tritanomaly

29.9344, 0.2551, 0.3447

Monochromacy



Original Color

29.9821, 0.2734, 0.4174

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

25.1888, 0.2941, 0.3600

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.9821, 0.2734, 0.4174 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(72, 166, 119)` looks like.

```
.text, #text, p{  
    color:rgb(72, 166, 119)  
}
```

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(72, 166, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 166, 119) }
```

Border

The CSS property to change the border of an element to Yxy 29.9821, 0.2734, 0.4174 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(72, 166, 119) }
```

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

```
.border{ border-color:rgb(72, 166, 119) }
```

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

Here you see how a box with a 4 pixel rgb(72, 166, 119) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 166, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 166, 119);  
box-shadow:4px 4px 4px 4px rgb(72, 166,  
119) }
```


Background

The CSS property to change the background color of an element to Yxy 29.9821, 0.2734, 0.4174 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 166, 119) }
```

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

```
.background{ background-color: rgb(72, 166,  
119) }
```

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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