

Converting Colors

$Y_{xy}(34.4691, 0.2772, 0.4270)$

Have a look what the booklet for
Yxy(34.4691, 0.2772, 0.4270)
contains.

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Color

Yxy(34.4691, 0.2772, 0.4270)

Conversions

Conversions Part 1

Format	Color
Hex	4EB17A
RGB	78, 177, 122
RGB Percent	31%, 69%, 48%
CMY	0.6940, 0.3059, 0.5217
CMYK	0.56, 0.00, 0.31, 0.31
HSL	147°, 39%, 50%
HSV	147°, 56%, 69%
XYZ	22.3767, 34.4691, 23.8781
YIQ	141.1290, -41.3490, -38.0930

Conversions

Conversions Part 2

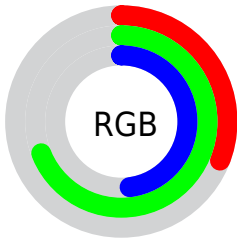
Format	Color
RYB	78, 147, 177
Decimal	5157242
CIELab	65.33, -41.84, 19.62
CIElCh	65, 46.210, 154.873
Yxy	34.4691, 0.2772, 0.4270
Android (android.graphics.Color)	4283347322 (0xFF4EB17A)
YUV	141.1290, -9.4306, -55.3641
Hunter-Lab	58.7104, -34.7104, 16.9834

Details

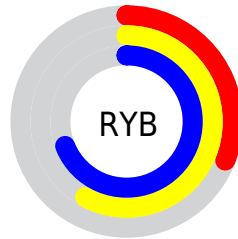
The Yxy color **34.4691, 0.2772, 0.4270** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **16.4936, 0.3822, 0.2512**, and the grayscale version is **26.7408, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.4413, 0.2847, 0.4050**, and **14.6663, 0.2627, 0.4629** is the 20% darker color. If you saturate the color by 10%, you get **33.5890, 0.2742, 0.4485**, and if you desaturate by 10%, it is **35.5779, 0.2817, 0.4062**.

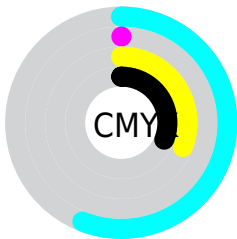
Distribution



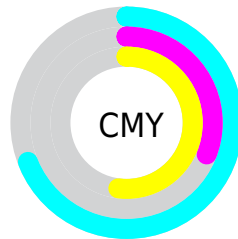
- Red (31%)
- Green (69%)
- Blue (48%)



- Red (31%)
- Yellow (58%)
- Blue (69%)



- Cyan (56%)
- Magenta (0%)
- Yellow (31%)
- Black (31%)




- Cyan (69%)
- Magenta (31%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.4691, 0.2772, 0.4270 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 34.4691, 0.2772, 0.4270 by changing the saturation by 10% instead.


 34.4691, 0.2772,
0.4270


 34.4691, 0.2772,
0.4270


322.2187, 0.2973,
0.3726

 23.2542, 0.2713,
0.4426


 66.6625, 0.2851,
0.4058


 14.7813, 0.2630,
0.4640


 88.4098, 0.2879,
0.3983


 8.6661, 0.2509,
0.4950


 114.4367, 0.2902,
0.3921

 4.5240, 0.2314,
0.5434

 145.1275, 0.2921,
0.3869

 1.9708, 0.1948,
0.6484

 180.8668, 0.2937,
0.3825

 0.5904, 0.0000,
1.0000

222.0388, 0.2951,

 0.0000, 0.0000,

0.3788

0.0000

269.0280, 0.2963,
0.3755

■ 34.4691, 0.2772,
0.4270

■ 34.4691, 0.2772,
0.4270

■ 33.5890, 0.2742,
0.4485

■ 35.5779, 0.2817,
0.4062

■ 32.9160, 0.2730,
0.4701

■ 36.9267, 0.2873,
0.3866

■ 32.4318, 0.2737,
0.4911

■ 38.5308, 0.2939,
0.3685

■ 32.1107, 0.2762,
0.5108

■ 40.4032, 0.3009,
0.3519

■ 32.0042, 0.2774,
0.5185

■ 42.5557, 0.3083,
0.3371

■ 44.9999, 0.3158,
0.3238

■ 47.7462, 0.3232,
0.3120

■ 50.8047, 0.3304,
0.3017

■ 54.1852, 0.3374,
0.2927

Harmonies

Analogous

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



34.4691, 0.3456, 0.4599



34.4691, 0.2772, 0.4270



34.4691, 0.2220, 0.3564

Triad

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



34.4691, 0.2772, 0.4270



34.4691, 0.2167, 0.2205



34.4691, 0.4498, 0.3478

Complementary

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



34.4691, 0.2772, 0.4270



16.4936, 0.3822, 0.2512

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.



34.4691, 0.4076, 0.2962



34.4691, 0.2772, 0.4270



34.4691, 0.2678, 0.2265

Square

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



34.4691, 0.2772, 0.4270



34.4691, 0.1912, 0.2391



34.4691, 0.3378, 0.2534



34.4691, 0.4485, 0.4008

Rectangle

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



34.4691, 0.2772, 0.4270



34.4691, 0.1992, 0.3071



34.4691, 0.3378, 0.2534



34.4691, 0.4402, 0.3301

Sweetspot

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



34.4705, 0.2772, 0.4270



71.8702, 0.2999, 0.3541



37.0731, 0.3501, 0.4817



15.4287, 0.2985, 0.3572



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



34.4705, 0.2772, 0.4270



59.8557, 0.2738, 0.4533



35.9835, 0.2469, 0.3397



9.5507, 0.3058, 0.3419



23.1992, 0.2768, 0.5165



0.7418, 0.2613, 0.4607

Inverse Universe

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



16.4936, 0.3822, 0.2512



24.4536, 0.4056, 0.2390



15.4487, 0.4660, 0.3202



8.5817, 0.3203, 0.3164



7.4290, 0.4696, 0.2361



0.2453, 0.4177, 0.2075

Previews

White Background



This preview shows how the Yxy color 34.4691, 0.2772, 0.4270 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 34.4691, 0.2772, 0.4270 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 34.4691, 0.2772, 0.4270

Background



This preview shows how black text looks on a background with the Yxy color 34.4691, 0.2772, 0.4270.



This preview shows how white text looks on a background with the Yxy color 34.4691, 0.2772, 0.4270.

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

34.4691, 0.2772, 0.4270

Protanopia

33.8522, 0.3678, 0.3938

Deuteranopia

33.7590, 0.3694, 0.3616



Tritanopia

34.2816, 0.2465, 0.3066

Trichromacy



Original Color

34.4691, 0.2772, 0.4270



Protanomaly

33.1302, 0.3286, 0.4071



Deuteranomaly

32.6677, 0.3286, 0.3832



Tritanomaly

34.2021, 0.2569, 0.3473

Monochromacy



Original Color

34.4691, 0.2772, 0.4270



Achromatopsia

26.6356, 0.3127, 0.3290



Achromatomaly

28.6840, 0.2958, 0.3637

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.4691, 0.2772, 0.4270 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(78, 177, 122)` looks like.

```
.text, #text, p{  
    color:rgb(78, 177, 122)  
}
```

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(78, 177, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 177, 122) }
```

Border

The CSS property to change the border of an element to Yxy 34.4691, 0.2772, 0.4270 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(78, 177, 122) }
```

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

```
.border{ border-color:rgb(78, 177, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 177, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 177, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 177, 122);  
box-shadow:4px 4px 4px 4px rgb(78, 177,  
122) }
```


Background

The CSS property to change the background color of an element to Yxy 34.4691, 0.2772, 0.4270 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 177, 122) }
```

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

```
.background{ background-color: rgb(78, 177,  
122) }
```

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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