

Converting Colors

$Yxy(34.6231, 0.3203, 0.4153)$

Have a look what the booklet for
Yxy(34.6231, 0.3203, 0.4153)
contains.

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Color

Yxy(34.7796, 0.3201, 0.4155)

Conversions

Conversions Part 1

Format	Color
Hex	82AA75
RGB	130, 170, 117
RGB Percent	51%, 67%, 46%
CMY	0.4901, 0.3333, 0.5412
CMYK	0.24, 0.00, 0.31, 0.33
HSL	105°, 24%, 56%
HSV	105°, 31%, 67%
XYZ	26.7941, 34.7796, 22.1317
YIQ	151.9980, -6.8270, -24.9630

Conversions

Conversions Part 2

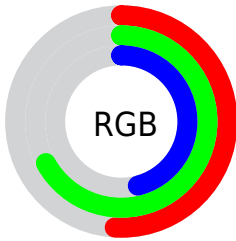
Format	Color
RYB	117, 170, 157
Decimal	8563317
CIELab	65.58, -23.78, 23.06
CIElCh	66, 33.120, 135.882
Yxy	34.7796, 0.3201, 0.4155
Android (android.graphics.Color)	4286753397 (0xFF82AA75)
YUV	151.9980, -17.2540, -19.2922
Hunter-Lab	58.9742, -22.1060, 19.0317

Details

The Yxy color $34.7796, 0.3201, 0.4155$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $22.7924, 0.3014, 0.2497$, and the grayscale version is $31.4791, 0.3127, 0.3290$.

A 20% lighter version of the original color is $66.9053, 0.3199, 0.3974$, and $15.0365, 0.3199, 0.4477$ is the 20% darker color. If you saturate the color by 10%, you get $33.4649, 0.3216, 0.4477$, and if you desaturate by 10%, it is $36.2964, 0.3181, 0.3851$.

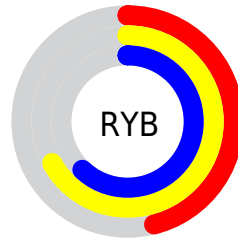
Distribution



Red (51%)

Green (67%)

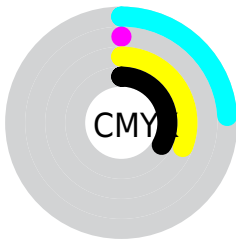
Blue (46%)



Red (46%)

Yellow (67%)

Blue (62%)

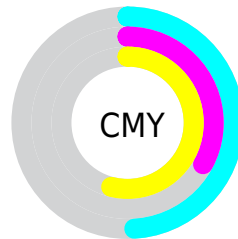


Cyan (24%)

Magenta (0%)

Yellow (31%)

Black (33%)



Cyan (49%)


Magenta (33%)


Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.7796, 0.3201, 0.4155 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 34.7796, 0.3201, 0.4155 by changing the saturation by 10% instead.


 34.7796, 0.3201,
0.4155


 34.7796, 0.3201,
0.4155


323.5944, 0.3174,
0.3683


 23.4931, 0.3203,
0.4287


 67.1442, 0.3194,
0.3973

 14.9581, 0.3203,
0.4465


 88.9911, 0.3190,
0.3908

 8.7900, 0.3194,
0.4718


 115.1270, 0.3187,
0.3854

 4.6044, 0.3164,
0.5102

145.9362, 0.3184,
0.3809

 2.0171, 0.3207,
0.6002

181.8032, 0.3181,
0.3771

 0.6174, 0.0102,
0.9898

223.1123, 0.3178,

 0.0000, 0.0000,

0.3737

0.0000

270.2479, 0.3176,
0.3708

■ 34.7796, 0.3201,
0.4155

■ 34.7796, 0.3201,
0.4155

■ 33.4649, 0.3216,
0.4477

■ 36.2964, 0.3181,
0.3851

■ 32.3391, 0.3222,
0.4804

■ 38.0187, 0.3156,
0.3571

■ 31.3946, 0.3218,
0.5122


■ 39.9557, 0.3130,
0.3318

■ 30.6213, 0.3203,
0.5409


■ 42.1144, 0.3103,
0.3093

■ 30.0082, 0.3175,
0.5646

■ 44.5019, 0.3077,
0.2894


 29.5425, 0.3137,
0.5817

 47.1246, 0.3051,
0.2719

 29.2362, 0.3102,
0.5919

 49.9887, 0.3026,
0.2565

 53.1004, 0.3003,
0.2431

 55.4610, 0.3090,
0.2440

Harmonies

Analogous

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



34.7796, 0.3688, 0.4197



34.7796, 0.3201, 0.4155



34.7796, 0.2717, 0.3810

Triad

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



34.7796, 0.3201, 0.4155



34.7796, 0.2270, 0.2561



34.7796, 0.3946, 0.3200

Complementary

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



34.7796, 0.3201, 0.4155



22.7924, 0.3014, 0.2497

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.



34.7796, 0.3507, 0.2839



34.7796, 0.3201, 0.4155



34.7796, 0.2543, 0.2478

Square

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



34.7796, 0.3201, 0.4155



34.7796, 0.2206, 0.2845



34.7796, 0.2986, 0.2582



34.7796, 0.4145, 0.3604

Rectangle

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



34.7796, 0.3201, 0.4155



34.7796, 0.2459, 0.3476



34.7796, 0.2986, 0.2582



34.7796, 0.3820, 0.3072

Sweetspot

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



34.7811, 0.3201, 0.4155



69.6565, 0.3151, 0.3518



33.8600, 0.3641, 0.3876



15.4269, 0.3155, 0.3555



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



34.7811, 0.3201, 0.4155



61.5155, 0.3211, 0.4363



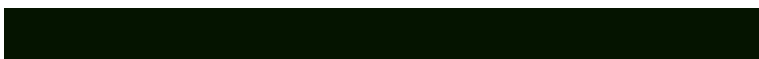
34.1499, 0.2983, 0.3955



8.4934, 0.3152, 0.3521



21.5294, 0.3108, 0.5914



0.5469, 0.3349, 0.5723

Inverse Universe

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



22.7924, 0.3014, 0.2497



36.4667, 0.2983, 0.2325



23.6956, 0.3314, 0.2707



7.5725, 0.3100, 0.3065



5.5517, 0.2605, 0.1209



0.1568, 0.2816, 0.1325

Previews

White Background



This preview shows how the Yxy color 34.7796, 0.3201, 0.4155 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 34.7796, 0.3201, 0.4155 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

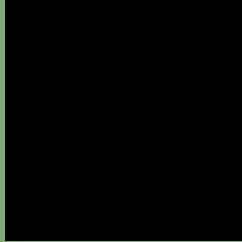
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.7796, 0.3201, 0.4155

Background



This preview shows how black text looks on a background with the Yxy color 34.7796, 0.3201, 0.4155.



This preview shows how white text looks on a background with the Yxy color 34.7796, 0.3201, 0.4155.

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

34.7796, 0.3201, 0.4155

Protanopia

34.6241, 0.3689, 0.3977

Deuteranopia

34.4017, 0.3805, 0.3721



Tritanopia

34.9044, 0.2815, 0.3095

Trichromacy



Original Color

34.7796, 0.3201, 0.4155

Protanomaly

34.4772, 0.3498, 0.4041

Deuteranomaly

34.2593, 0.3561, 0.3871

Tritanomaly

34.8732, 0.2948, 0.3461

Monochromacy



Original Color

34.7796, 0.3201, 0.4155

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

32.5896, 0.3161, 0.3607

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.7796, 0.3201, 0.4155 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(130, 170, 117)` looks like.

```
.text, #text, p{  
    color:rgb(130, 170, 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(130, 170, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 170, 117) }
```

Border

The CSS property to change the border of an element to Yxy 34.7796, 0.3201, 0.4155 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(130, 170, 117) }
```

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

```
.border{ border-color:rgb(130, 170, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 170, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 170, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 170, 117);  
box-shadow:4px 4px 4px 4px rgb(130, 170,  
117) }
```


Background

The CSS property to change the background color of an element to Yxy 34.7796, 0.3201, 0.4155 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 170, 117) }
```

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

```
.background{ background-color: rgb(130,  
170, 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](#).

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