

Converting Colors

$Yxy(36.5980, 0.3098, 0.3968)$

Have a look what the booklet for
Yxy(36.5980, 0.3098, 0.3968)
contains.

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Color

Yxy(36.7361, 0.3095, 0.3976)

Conversions

Conversions Part 1

Format	Color
Hex	83AE83
RGB	131, 174, 131
RGB Percent	51%, 68%, 51%
CMY	0.4862, 0.3177, 0.4862
CMYK	0.25, 0.00, 0.25, 0.32
HSL	120°, 21%, 60%
HSV	120°, 25%, 68%
XYZ	28.5961, 36.7361, 27.0624
YIQ	156.2410, -11.8250, -22.4890

Conversions

Conversions Part 2

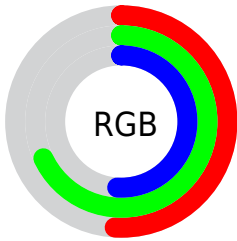
Format	Color
RYB	131, 174, 174
Decimal	8629891
CIELab	67.08, -23.06, 17.49
CIElCh	67, 28.943, 142.819
Yxy	36.7361, 0.3095, 0.3976
Android (android.graphics.Color)	4286819971 (0xFF83AE83)
YUV	156.2410, -12.4438, -22.1364
Hunter-Lab	60.6103, -21.8512, 15.9544

Details

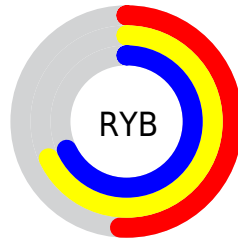
The Yxy color **36.7361, 0.3095, 0.3976** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **28.2917, 0.3155, 0.2688**, and the grayscale version is **33.4226, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.3686, 0.3108, 0.3840**, and **15.9743, 0.3072, 0.4219** is the 20% darker color. If you saturate the color by 10%, you get **35.0299, 0.3079, 0.4308**, and if you desaturate by 10%, it is **38.7580, 0.3109, 0.3674**.

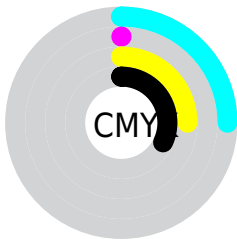
Distribution



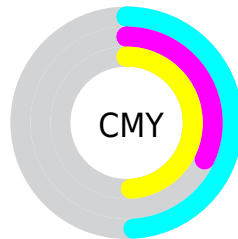
- Red (51%)
- Green (68%)
- Blue (51%)



- Red (51%)
- Yellow (68%)
- Blue (68%)



- Cyan (25%)
- Magenta (0%)
- Yellow (25%)
- Black (32%)





- Cyan (49%)
- Magenta (32%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.7361, 0.3095, 0.3976 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 36.7361, 0.3095, 0.3976 by changing the saturation by 10% instead.


 36.7361, 0.3095,
0.3976


 36.7361, 0.3095,
0.3976


332.1666, 0.3119,
0.3606


 25.0032, 0.3086,
0.4078


 70.1667, 0.3106,
0.3834

 16.0795, 0.3072,
0.4216


 92.6333, 0.3109,
0.3783

 9.5804, 0.3048,
0.4411


 119.4465, 0.3112,
0.3741

 5.1216, 0.3005,
0.4706

150.9908, 0.3114,
0.3705

 2.3188, 0.2916,
0.5208

187.6505, 0.3116,
0.3675

 0.7836, 0.1884,
0.8116


229.8102, 0.3117,


 0.0000, 0.0000,


0.3649

0.0000


277.8540, 0.3118,
0.3626


 36.7361, 0.3095,
0.3976


 36.7361, 0.3095,
0.3976


 35.0299, 0.3079,
0.4308


 38.7580, 0.3109,
0.3674


 33.6190, 0.3063,
0.4659


 41.1054, 0.3122,
0.3405


 32.4881, 0.3046,
0.5011

 43.7934, 0.3133,
0.3170

 31.6186, 0.3031,
0.5342

 46.8349, 0.3142,
0.2966

 30.9895, 0.3018,
0.5623

 50.2421, 0.3151,
0.2791

■ 30.5768, 0.3008,
0.5832

■ 54.0265, 0.3158,
0.2641

■ 30.3512, 0.3002,
0.5955

■ 58.1992, 0.3164,
0.2513

■ 30.2715, 0.3000,
0.6000

■ 58.7515, 0.3164,
0.2498

Harmonies

Analogous

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



36.7361, 0.3525, 0.4081



36.7361, 0.3095, 0.3976



36.7361, 0.2692, 0.3639

Triad

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



36.7361, 0.3095, 0.3976



36.7361, 0.2423, 0.2628



36.7361, 0.3890, 0.3299

Complementary

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



36.7361, 0.3095, 0.3976



28.2917, 0.3155, 0.2688

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.



36.7361, 0.3553, 0.2966



36.7361, 0.3095, 0.3976



36.7361, 0.2701, 0.2591

Square

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



36.7361, 0.3095, 0.3976



36.7361, 0.2322, 0.2839



36.7361, 0.3111, 0.2714



36.7361, 0.4003, 0.3650

Rectangle

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



36.7361, 0.3095, 0.3976



36.7361, 0.2489, 0.3350



36.7361, 0.3111, 0.2714



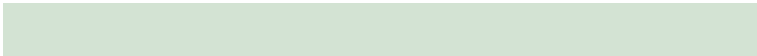
36.7361, 0.3798, 0.3182

Sweetspot

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



36.7377, 0.3095, 0.3976



73.4756, 0.3119, 0.3467



40.6331, 0.3495, 0.3885



16.2741, 0.3118, 0.3482



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.



36.7377, 0.3095, 0.3976



64.7669, 0.3086, 0.4166



37.3584, 0.2934, 0.3636



8.9394, 0.3116, 0.3524



21.9567, 0.3000, 0.6000



0.6108, 0.3000, 0.6000

Inverse Universe

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



28.2917, 0.3155, 0.2688



46.6152, 0.3162, 0.2546



27.5434, 0.3378, 0.2969



8.1481, 0.3138, 0.3067



8.7424, 0.3209, 0.1541



0.2432, 0.3209, 0.1541

Previews

White Background



This preview shows how the Yxy color 36.7361, 0.3095, 0.3976 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 36.7361, 0.3095, 0.3976 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

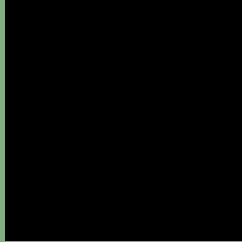
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.7361, 0.3095, 0.3976

Background



This preview shows how black text looks on a background with the Yxy color 36.7361, 0.3095, 0.3976.



This preview shows how white text looks on a background with the Yxy color 36.7361, 0.3095, 0.3976.

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

36.7361, 0.3095, 0.3976

Protanopia

36.3457, 0.3577, 0.3808

Deuteranopia

36.2176, 0.3657, 0.3580



Tritanopia

36.5491, 0.2781, 0.3083

Trichromacy



Original Color

36.7361, 0.3095, 0.3976

Protanomaly

36.1000, 0.3385, 0.3863

Deuteranomaly

36.1311, 0.3428, 0.3716

Tritanomaly

36.7122, 0.2896, 0.3396

Monochromacy



Original Color

36.7361, 0.3095, 0.3976

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

34.5040, 0.3116, 0.3537

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.7361, 0.3095, 0.3976 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(131, 174, 131)` looks like.

```
.text, #text, p{  
    color:rgb(131, 174, 131)  
}
```

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(131, 174, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 174, 131) }
```

Border

The CSS property to change the border of an element to Yxy 36.7361, 0.3095, 0.3976 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(131, 174, 131) }
```

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

```
.border{ border-color:rgb(131, 174, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 174, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 174, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 174, 131);  
box-shadow:4px 4px 4px 4px rgb(131, 174,  
131) }
```


Background

The CSS property to change the background color of an element to Yxy 36.7361, 0.3095, 0.3976 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 174, 131) }
```

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

```
.background{ background-color: rgb(131,  
174, 131) }
```

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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