

Converting Colors

$Yxy(35.1468, 0.3600, 0.3991)$

Have a look what the booklet for
Yxy(35.1468, 0.3600, 0.3991)
contains.

Yxy(35.1855, 0.3596, 0.3986)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(35.1855, 0.3596, 0.3986)

Conversions

Conversions Part 1

Format	Color
Hex	A6A273
RGB	166, 162, 115
RGB Percent	65%, 64%, 45%
CMY	0.3490, 0.3647, 0.5489
CMYK	0.00, 0.02, 0.31, 0.35
HSL	55°, 22%, 55%
HSV	55°, 31%, 65%
XYZ	31.7429, 35.1855, 21.3443
YIQ	157.8380, 17.4710, -13.7690

Conversions

Conversions Part 2

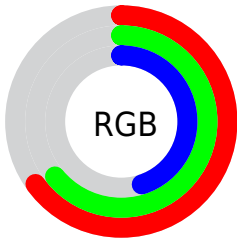
Format	Color
RYB	119, 166, 115
Decimal	10920563
CIELab	65.89, -6.09, 25.01
CIELCh	66, 25.742, 103.673
Yxy	35.1855, 0.3596, 0.3986
Android (android.graphics.Color)	4289110643 (0xFFA6A273)
YUV	157.8380, -21.1191, 7.1581
Hunter-Lab	59.3174, -8.2836, 20.1877

Details

The Yxy color **35.1855, 0.3596, 0.3986** is a light color, and the websafe version is hex **999966**. A complement of this color would be **19.6004, 0.2604, 0.2483**, and the grayscale version is **34.2083, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.9453, 0.3512, 0.3855**, and **15.2729, 0.3729, 0.4226** is the 20% darker color. If you saturate the color by 10%, you get **34.3813, 0.3750, 0.4208**, and if you desaturate by 10%, it is **36.0664, 0.3439, 0.3757**.

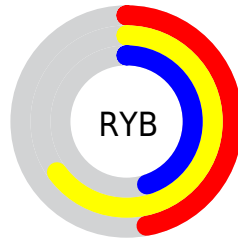
Distribution



Red (65%)

Green (64%)

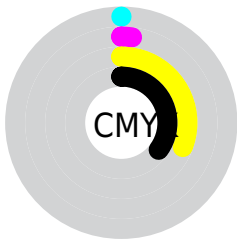
Blue (45%)



Red (47%)

Yellow (65%)

Blue (45%)

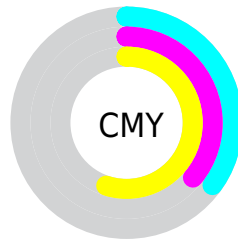


Cyan (0%)

Magenta (2%)

Yellow (31%)

Black (35%)



Cyan (35%)


Magenta (36%)


Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.1855, 0.3596, 0.3986 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 35.1855, 0.3596, 0.3986 by changing the saturation by 10% instead.


 35.1855, 0.3596,
0.3986

 35.1855, 0.3596,
0.3986


325.3864, 0.3356,
0.3619

 23.8058, 0.3656,
0.4083


 67.7730, 0.3508,
0.3849


 15.1896, 0.3734,
0.4210


 89.7497, 0.3475,
0.3798

 8.9526, 0.3834,
0.4382


 116.0274, 0.3447,
0.3756

 4.7103, 0.3967,
0.4626

 146.9906, 0.3424,
0.3720

 2.0783, 0.4344,
0.5235

183.0237, 0.3403,
0.3690

 0.6524, 0.4195,
0.5805

224.5111, 0.3386,

 0.0000, 0.0000,

0.3663

0.0000

271.8372, 0.3370,
0.3640

■ 35.1855, 0.3596,
0.3986

■ 35.1855, 0.3596,
0.3986

■ 34.3813, 0.3750,
0.4208

■ 36.0664, 0.3439,
0.3757

■ 33.6455, 0.3897,
0.4414

■ 37.0228, 0.3285,
0.3528

■ 32.9754, 0.4030,
0.4594

■ 38.0595, 0.3137,
0.3306

■ 32.3667, 0.4144,
0.4740

■ 39.1793, 0.2998,
0.3093

■ 31.8142, 0.4233,
0.4846

■ 40.3853, 0.2868,
0.2894

■ 31.3119, 0.4296,
0.4909

■ 41.6801, 0.2749,
0.2710

■ 30.8777, 0.4337,
0.4939

■ 43.0663, 0.2640,
0.2540

■ 44.5464, 0.2542,
0.2385

■ 45.5005, 0.2504,
0.2331

Harmonies

Analogous

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



35.1855, 0.3853, 0.3814



35.1855, 0.3596, 0.3986



35.1855, 0.3222, 0.3958

Triad

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



35.1855, 0.3596, 0.3986



35.1855, 0.2403, 0.2975



35.1855, 0.3395, 0.2916

Complementary

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



35.1855, 0.3596, 0.3986



19.6004, 0.2604, 0.2483

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.



35.1855, 0.2993, 0.2717



35.1855, 0.3596, 0.3986



35.1855, 0.2441, 0.2733

Square

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



35.1855, 0.3596, 0.3986



35.1855, 0.2543, 0.3335



35.1855, 0.2649, 0.2648



35.1855, 0.3740, 0.3204

Rectangle

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



35.1855, 0.3596, 0.3986



35.1855, 0.2960, 0.3815



35.1855, 0.2649, 0.2648



35.1855, 0.3261, 0.2838

Sweetspot

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



35.1871, 0.3596, 0.3986



67.4672, 0.3262, 0.3493



21.7128, 0.3744, 0.3225



15.0405, 0.3283, 0.3525



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.



35.1871, 0.3596, 0.3986



62.8212, 0.3704, 0.4142



34.5118, 0.3366, 0.4095



8.6714, 0.3264, 0.3496



23.9730, 0.4335, 0.4940



0.6119, 0.4283, 0.4981

Inverse Universe

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



19.6004, 0.2604, 0.2483



29.8788, 0.2466, 0.2265



20.2765, 0.2822, 0.2465



7.3918, 0.2986, 0.3075



2.3888, 0.1518, 0.0664



0.0867, 0.1594, 0.0939

Previews

White Background



This preview shows how the Yxy color 35.1855, 0.3596, 0.3986 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 35.1855, 0.3596, 0.3986 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

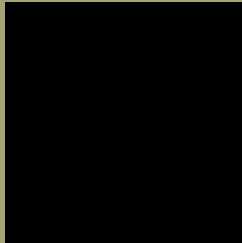
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.1855, 0.3596, 0.3986

Background



This preview shows how black text looks on a background with the Yxy color 35.1855, 0.3596, 0.3986.



This preview shows how white text looks on a background with the Yxy color 35.1855, 0.3596, 0.3986.

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

35.1855, 0.3596, 0.3986

Protanopia

35.1272, 0.3677, 0.3959

Deuteranopia

34.8856, 0.3862, 0.3785



Tritanopia

35.0034, 0.3184, 0.3121

Trichromacy



Original Color

35.1855, 0.3596, 0.3986

Protanomaly

35.2507, 0.3651, 0.3977

Deuteranomaly

34.8616, 0.3771, 0.3856

Tritanomaly

35.1379, 0.3339, 0.3435

Monochromacy



Original Color

35.1855, 0.3596, 0.3986

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

34.3263, 0.3302, 0.3545

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.1855, 0.3596, 0.3986 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(166, 162, 115)` looks like.

```
.text, #text, p{  
    color:rgb(166, 162, 115)  
}
```

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(166, 162, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 162, 115) }
```

Border

The CSS property to change the border of an element to Yxy 35.1855, 0.3596, 0.3986 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(166, 162, 115) }
```

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

```
.border{ border-color:rgb(166, 162, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 162, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 162, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 162, 115);  
box-shadow:4px 4px 4px 4px rgb(166, 162,  
115) }
```


Background

The CSS property to change the background color of an element to Yxy 35.1855, 0.3596, 0.3986 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 162, 115) }
```

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

```
.background{ background-color: rgb(166,  
162, 115) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor