

Converting Colors

$Yxy(34.5493, 0.3263, 0.4095)$

Have a look what the booklet for
Yxy(34.5493, 0.3263, 0.4095)
contains.

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Color

Yxy(34.6316, 0.3261, 0.4094)

Conversions

Conversions Part 1

Format	Color
Hex	89A876
RGB	137, 168, 118
RGB Percent	54%, 66%, 46%
CMY	0.4629, 0.3411, 0.5372
CMYK	0.18, 0.00, 0.30, 0.34
HSL	97°, 22%, 56%
HSV	97°, 30%, 66%
XYZ	27.5852, 34.6316, 22.3743
YIQ	153.0310, -2.4260, -22.1220

Conversions

Conversions Part 2

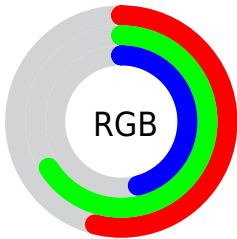
Format	Color
RYB	118, 168, 149
Decimal	9021558
CIELab	65.46, -20.08, 22.43
CIELCh	65, 30.106, 131.842
Yxy	34.6316, 0.3261, 0.4094
Android (android.graphics.Color)	4287211638 (0xFF89A876)
YUV	153.0310, -17.2703, -14.0592
Hunter-Lab	58.8486, -19.3136, 18.6519

Details

The Yxy color $34.6316, 0.3261, 0.4094$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $22.1835, 0.2946, 0.2518$, and the grayscale version is $31.9450, 0.3127, 0.3290$.

A 20% lighter version of the original color is $66.7540, 0.3245, 0.3929$, and $14.8989, 0.3284, 0.4385$ is the 20% darker color. If you saturate the color by 10%, you get $33.4292, 0.3297, 0.4400$, and if you desaturate by 10%, it is $35.9934, 0.3219, 0.3802$.

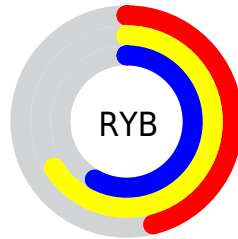
Distribution



Red (54%)

Green (66%)

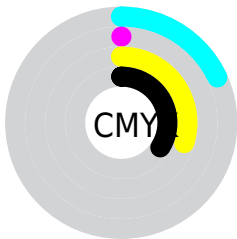
Blue (46%)



Red (46%)

Yellow (66%)

Blue (58%)

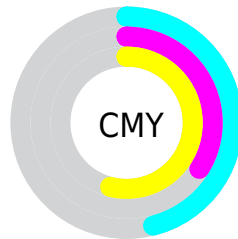


Cyan (18%)

Magenta (0%)

Yellow (30%)

Black (34%)



Cyan (46%)


Magenta (34%)


Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.6316, 0.3261, 0.4094 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 34.6316, 0.3261, 0.4094 by changing the saturation by 10% instead.


 34.6316, 0.3261,
0.4094


 34.6316, 0.3261,
0.4094


322.9392, 0.3200,
0.3657


 23.3792, 0.3273,
0.4215


 66.9147, 0.3241,
0.3926

 14.8738, 0.3285,
0.4379


 88.7141, 0.3233,
0.3866

 8.7308, 0.3296,
0.4610


 114.7981, 0.3226,
0.3816

 4.5660, 0.3296,
0.4959

145.5510, 0.3219,
0.3774

 1.9950, 0.3385,
0.5761

181.3571, 0.3214,
0.3739

 0.6045, 0.1224,
0.8776

222.6010, 0.3209,

 0.0000, 0.0000,

0.3708

0.0000

269.6669, 0.3204,
0.3681

■ 34.6316, 0.3261,
0.4094

■ 34.6316, 0.3261,
0.4094

■ 33.4292, 0.3297,
0.4400

■ 35.9934, 0.3219,
0.3802

■ 32.3756, 0.3323,
0.4711

■ 37.5159, 0.3173,
0.3532

■ 31.4656, 0.3335,
0.5012


■ 39.2062, 0.3126,
0.3284

■ 30.6920, 0.3332,
0.5287

■ 41.0694, 0.3079,
0.3062

■ 30.0467, 0.3311,
0.5520


■ 43.1105, 0.3034,
0.2863


 29.5208, 0.3273,
0.5696


 45.3343, 0.2990,
0.2686

 29.0979, 0.3224,
0.5820

 47.7454, 0.2949,
0.2529

 29.0886, 0.3223,
0.5823

 50.3482, 0.2911,
0.2391

 52.1964, 0.2974,
0.2390

Harmonies

Analogous

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



34.6316, 0.3696, 0.4101



34.6316, 0.3261, 0.4094



34.6316, 0.2810, 0.3815

Triad

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



34.6316, 0.3261, 0.4094



34.6316, 0.2321, 0.2649



34.6316, 0.3828, 0.3163

Complementary

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



34.6316, 0.3261, 0.4094



22.1835, 0.2946, 0.2518

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.



34.6316, 0.3411, 0.2838



34.6316, 0.3261, 0.4094



34.6316, 0.2549, 0.2545

Square

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



34.6316, 0.3261, 0.4094



34.6316, 0.2290, 0.2936



34.6316, 0.2939, 0.2617



34.6316, 0.4044, 0.3534

Rectangle

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



34.6316, 0.3261, 0.4094



34.6316, 0.2560, 0.3524



34.6316, 0.2939, 0.2617



34.6316, 0.3705, 0.3046

Sweetspot

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



34.6331, 0.3261, 0.4094



68.2410, 0.3170, 0.3516



31.0807, 0.3642, 0.3755



14.7847, 0.3177, 0.3553



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.



34.6331, 0.3261, 0.4094



61.2999, 0.3287, 0.4304



33.3135, 0.3042, 0.4036



8.5411, 0.3171, 0.3519



21.9907, 0.3230, 0.5818



0.5644, 0.3510, 0.5595

Inverse Universe

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



22.1835, 0.2946, 0.2518



34.8570, 0.2892, 0.2326



23.9015, 0.3226, 0.2644



7.5225, 0.3080, 0.3063



4.4025, 0.2293, 0.1037



0.1350, 0.2604, 0.1208

Previews

White Background



This preview shows how the Yxy color 34.6316, 0.3261, 0.4094 looks on a white background.

Color Contrast Check

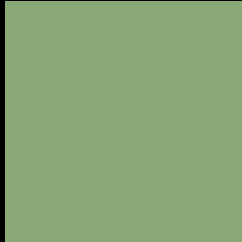
Large Text (above 18pt) WCAG AA × Fail

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 34.6316, 0.3261, 0.4094 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

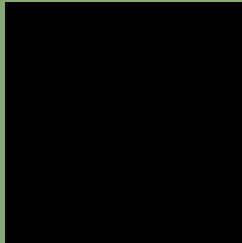
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.6316, 0.3261, 0.4094

Background



This preview shows how black text looks on a background with the Yxy color 34.6316, 0.3261, 0.4094.



This preview shows how white text looks on a background with the Yxy color 34.6316, 0.3261, 0.4094.

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

34.6316, 0.3261, 0.4094

Protanopia

34.3266, 0.3675, 0.3935

Deuteranopia

34.2761, 0.3794, 0.3723



Tritanopia

34.6567, 0.2880, 0.3096

Trichromacy



Original Color

34.6316, 0.3261, 0.4094

Protanomaly

34.4494, 0.3523, 0.4004

Deuteranomaly

34.1346, 0.3586, 0.3853

Tritanomaly

34.7237, 0.3019, 0.3444

Monochromacy



Original Color

34.6316, 0.3261, 0.4094

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

32.5502, 0.3182, 0.3573

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.6316, 0.3261, 0.4094 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(137, 168, 118)` looks like.

```
.text, #text, p{  
    color:rgb(137, 168, 118)  
}
```

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(137, 168, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 168, 118) }
```

Border

The CSS property to change the border of an element to Yxy 34.6316, 0.3261, 0.4094 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(137, 168, 118) }
```

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

```
.border{ border-color:rgb(137, 168, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 168, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 168, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 168, 118);  
box-shadow:4px 4px 4px 4px rgb(137, 168,  
118) }
```


Background

The CSS property to change the background color of an element to Yxy 34.6316, 0.3261, 0.4094 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 168, 118) }
```

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

```
.background{ background-color: rgb(137,  
168, 118) }
```

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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