

Converting Colors

$Yxy(36.7921, 0.3046, 0.3952)$

Have a look what the booklet for
Yxy(36.7921, 0.3046, 0.3952)
contains.

Yxy(36.8654, 0.3045, 0.3964)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(36.8654, 0.3045, 0.3964)

Conversions

Conversions Part 1

Format	Color
Hex	7FAF85
RGB	127, 175, 133
RGB Percent	50%, 69%, 52%
CMY	0.5019, 0.3137, 0.4784
CMYK	0.27, 0.00, 0.24, 0.31
HSL	127°, 23%, 59%
HSV	127°, 27%, 69%
XYZ	28.3187, 36.8654, 27.8165
YIQ	155.8600, -15.1260, -23.2380

Conversions

Conversions Part 2

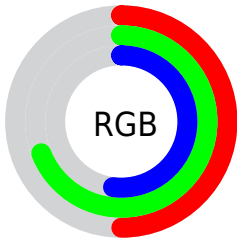
Format	Color
RYB	127, 170, 175
Decimal	8368005
CIELab	67.18, -24.57, 16.50
CIELCh	67, 29.595, 146.110
Yxy	36.8654, 0.3045, 0.3964
Android (android.graphics.Color)	4286558085 (0xFF7FAF85)
YUV	155.8600, -11.2700, -25.3102
Hunter-Lab	60.7169, -23.0013, 15.3391

Details

The Yxy color **36.8654, 0.3045, 0.3964** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **27.1630, 0.3222, 0.2698**, and the grayscale version is **33.2390, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.5208, 0.3069, 0.3830**, and **16.0801, 0.3006, 0.4203** is the 20% darker color. If you saturate the color by 10%, you get **35.2447, 0.3016, 0.4260**, and if you desaturate by 10%, it is **38.7843, 0.3075, 0.3693**.

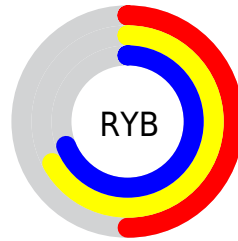
Distribution



Red (50%)

Green (69%)

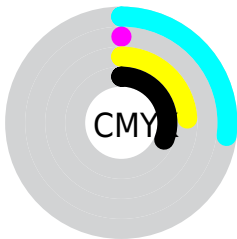
Blue (52%)



Red (50%)

Yellow (67%)

Blue (69%)

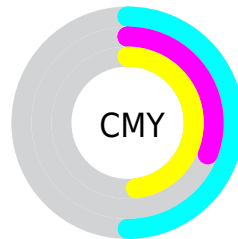


Cyan (27%)

Magenta (0%)

Yellow (24%)

Black (31%)



Cyan (50%)

Magenta (31%)

Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.8654, 0.3045, 0.3964 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 36.8654, 0.3045, 0.3964 by changing the saturation by 10% instead.


 36.8654, 0.3045,
0.3964

 36.8654, 0.3045,
0.3964


332.7274, 0.3095,
0.3600

 25.1033, 0.3029,
0.4065


 70.3657, 0.3066,
0.3825

 16.1540, 0.3006,
0.4200


 92.8727, 0.3072,
0.3775

 9.6332, 0.2971,
0.4392


 119.7302, 0.3078,
0.3733

 5.1565, 0.2911,
0.4684

151.3224, 0.3083,
0.3698

 2.3393, 0.2795,
0.5177

188.0338, 0.3086,
0.3668

 0.7944, 0.1636,
0.8364

230.2489, 0.3090,


 0.0000, 0.0000,


0.3642


0.0000


278.3520, 0.3092,
0.3620


 36.8654, 0.3045,
0.3964

 36.8654, 0.3045,
0.3964


 35.2447, 0.3016,
0.4260

 38.7843, 0.3075,
0.3693

 33.9028, 0.2990,
0.4575


 41.0105, 0.3105,
0.3451

 32.8254, 0.2970,
0.4895


 43.5584, 0.3135,
0.3238


 31.9947, 0.2957,
0.5204


 46.4400, 0.3162,
0.3051


 31.3909, 0.2953,
0.5482

 49.6668, 0.3188,
0.2890


 30.9913, 0.2958,
0.5708

 53.2498, 0.3212,
0.2750

 30.7625, 0.2971,
0.5869

 57.1993, 0.3234,
0.2630

 30.7169, 0.2972,
0.5901

 59.1396, 0.3164,
0.2508

Harmonies

Analogous

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



36.8654, 0.3487, 0.4099



36.8654, 0.3045, 0.3964



36.8654, 0.2644, 0.3599

Triad

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



36.8654, 0.3045, 0.3964



36.8654, 0.2431, 0.2601



36.8654, 0.3931, 0.3338

Complementary

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



36.8654, 0.3045, 0.3964



27.1630, 0.3222, 0.2698

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.



36.8654, 0.3608, 0.2994



36.8654, 0.3045, 0.3964



36.8654, 0.2733, 0.2583

Square

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



36.8654, 0.3045, 0.3964



36.8654, 0.2308, 0.2797



36.8654, 0.3160, 0.2725



36.8654, 0.4018, 0.3693

Rectangle

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



36.8654, 0.3045, 0.3964



36.8654, 0.2449, 0.3302



36.8654, 0.3160, 0.2725



36.8654, 0.3846, 0.3218

Sweetspot

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



36.8670, 0.3045, 0.3964



73.1423, 0.3103, 0.3468



40.6720, 0.3480, 0.3974



16.1183, 0.3099, 0.3502



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.



36.8670, 0.3045, 0.3964



64.1792, 0.3027, 0.4144



37.5942, 0.2867, 0.3576



8.9550, 0.3100, 0.3494



22.0029, 0.2969, 0.5889



0.6171, 0.2860, 0.5497

Inverse Universe

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



27.1630, 0.3222, 0.2698



43.8387, 0.3247, 0.2565



26.3551, 0.3487, 0.3022



8.1306, 0.3156, 0.3094



8.1837, 0.3545, 0.1727



0.2324, 0.3430, 0.1663

Previews

White Background



This preview shows how the Yxy color 36.8654, 0.3045, 0.3964 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 36.8654, 0.3045, 0.3964 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 36.8654, 0.3045, 0.3964

Background



This preview shows how black text looks on a background with the Yxy color 36.8654, 0.3045, 0.3964.



This preview shows how white text looks on a background with the Yxy color 36.8654, 0.3045, 0.3964.

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

36.8654, 0.3045, 0.3964

Protanopia

36.7254, 0.3564, 0.3807

Deuteranopia

36.6115, 0.3633, 0.3565



Tritanopia

36.6169, 0.2744, 0.3082

Trichromacy



Original Color

36.8654, 0.3045, 0.3964

Protanomaly

36.3905, 0.3364, 0.3863

Deuteranomaly

36.4355, 0.3397, 0.3701

Tritanomaly

36.7927, 0.2856, 0.3397

Monochromacy



Original Color

36.8654, 0.3045, 0.3964

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

34.3522, 0.3088, 0.3522

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.8654, 0.3045, 0.3964 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(127, 175, 133)` looks like.

```
.text, #text, p{  
    color:rgb(127, 175, 133)  
}
```

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(127, 175, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 175, 133) }
```

Border

The CSS property to change the border of an element to Yxy 36.8654, 0.3045, 0.3964 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(127, 175, 133) }
```

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

```
.border{ border-color:rgb(127, 175, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 175, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 175, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 175, 133);  
box-shadow:4px 4px 4px 4px rgb(127, 175,  
133) }
```


Background

The CSS property to change the background color of an element to Yxy 36.8654, 0.3045, 0.3964 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 175, 133) }
```

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

```
.background{ background-color: rgb(127,  
175, 133) }
```

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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