

Converting Colors

$Yxy(36.0481, 0.3191, 0.3976)$

Have a look what the booklet for
Yxy(36.0481, 0.3191, 0.3976)
contains.

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Color

Yxy(36.0876, 0.3184, 0.3970)

Conversions

Conversions Part 1

Format	Color
Hex	8AAB80
RGB	138, 171, 128
RGB Percent	54%, 67%, 50%
CMY	0.4588, 0.3294, 0.4979
CMYK	0.19, 0.00, 0.25, 0.33
HSL	106°, 20%, 59%
HSV	106°, 25%, 67%
XYZ	28.9428, 36.0876, 25.8704
YIQ	156.2310, -5.8650, -20.3690

Conversions

Conversions Part 2

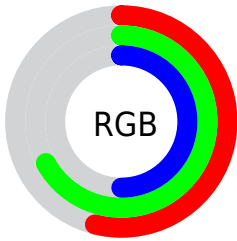
Format	Color
RYB	128, 171, 161
Decimal	9087872
CIELab	66.59, -19.59, 18.52
CIElCh	67, 26.958, 136.615
Yxy	36.0876, 0.3184, 0.3970
Android (android.graphics.Color)	4287277952 (0xFF8AAB80)
YUV	156.2310, -13.9179, -15.9886
Hunter-Lab	60.0730, -19.1274, 16.5179

Details

The Yxy color $36.0876, 0.3184, 0.3970$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $25.9638, 0.3047, 0.2657$, and the grayscale version is $33.4218, 0.3127, 0.3290$.

A 20% lighter version of the original color is $68.9354, 0.3178, 0.3825$, and $15.7844, 0.3180, 0.4205$ is the 20% darker color. If you saturate the color by 10%, you get $34.6231, 0.3200, 0.4284$, and if you desaturate by 10%, it is $37.7665, 0.3163, 0.3679$.

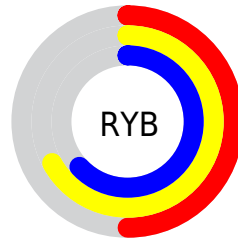
Distribution



Red (54%)

Green (67%)

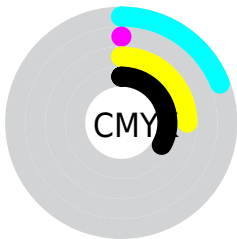
Blue (50%)



Red (50%)

Yellow (67%)

Blue (63%)

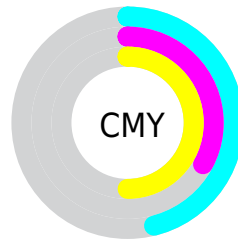


Cyan (19%)

Magenta (0%)

Yellow (25%)

Black (33%)



Cyan (46%)


Magenta (33%)


Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.0876, 0.3184, 0.3970 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 36.0876, 0.3184, 0.3970 by changing the saturation by 10% instead.


 36.0876, 0.3184,
0.3970


 36.0876, 0.3184,
0.3970


329.3433, 0.3161,
0.3603

 24.5019, 0.3187,
0.4071


 69.1673, 0.3177,
0.3830

 15.7063, 0.3189,
0.4207


 91.4300, 0.3174,
0.3779

 9.3166, 0.3188,
0.4399


 118.0204, 0.3172,
0.3737

 4.9482, 0.3176,
0.4689

149.3231, 0.3169,
0.3702

 2.2169, 0.3149,
0.5199

185.7223, 0.3167,
0.3672

 0.7292, 0.2275,
0.7725

227.6025, 0.3165,

 0.0000, 0.0000,

0.3646

0.0000

275.3480, 0.3163,
0.3623

■ 36.0876, 0.3184,
0.3970

■ 36.0876, 0.3184,
0.3970

■ 34.6231, 0.3200,
0.4284

■ 37.7665, 0.3163,
0.3679

■ 33.3596, 0.3210,
0.4611

■ 39.6631, 0.3140,
0.3415

■ 32.2896, 0.3211,
0.4938

■ 41.7868, 0.3115,
0.3178

■ 31.4030, 0.3202,
0.5248

■ 44.1447, 0.3090,
0.2969

■ 30.6890, 0.3181,
0.5519

■ 46.7439, 0.3066,
0.2786

■ 30.1353, 0.3149,
0.5731

■ 49.5910, 0.3042,
0.2625

■ 29.7278, 0.3110,
0.5873

■ 52.6923, 0.3020,
0.2484

■ 29.5716, 0.3092,
0.5927

■ 55.4051, 0.3070,
0.2445

■ 57.6058, 0.3166,
0.2469

Harmonies

Analogous

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



36.0876, 0.3578, 0.4020



36.0876, 0.3184, 0.3970



36.0876, 0.2791, 0.3694

Triad

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



36.0876, 0.3184, 0.3970



36.0876, 0.2430, 0.2696



36.0876, 0.3790, 0.3232

Complementary

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



36.0876, 0.3184, 0.3970



25.9638, 0.3047, 0.2657

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.



36.0876, 0.3445, 0.2928



36.0876, 0.3184, 0.3970



36.0876, 0.2661, 0.2625

Square

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



36.0876, 0.3184, 0.3970



36.0876, 0.2373, 0.2930



36.0876, 0.3027, 0.2712



36.0876, 0.3945, 0.3565

Rectangle

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



36.0876, 0.3184, 0.3970



36.0876, 0.2580, 0.3432



36.0876, 0.3027, 0.2712



36.0876, 0.3691, 0.3124

Sweetspot

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



36.0891, 0.3184, 0.3970



69.9701, 0.3147, 0.3491



35.6973, 0.3531, 0.3770



15.4901, 0.3150, 0.3530



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.



36.0891, 0.3184, 0.3970



63.1702, 0.3194, 0.4137



35.5953, 0.3004, 0.3796



9.0258, 0.3150, 0.3522



22.3131, 0.3098, 0.5923



0.6452, 0.3316, 0.5749

Inverse Universe

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



25.9638, 0.3047, 0.2657



41.9841, 0.3025, 0.2515



26.6248, 0.3279, 0.2832



8.0529, 0.3102, 0.3064



5.8950, 0.2636, 0.1226



0.1866, 0.2820, 0.1327

Previews

White Background



This preview shows how the Yxy color 36.0876, 0.3184, 0.3970 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 36.0876, 0.3184, 0.3970 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

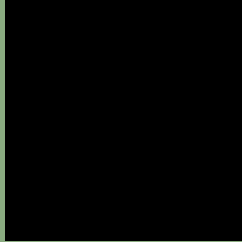
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.0876, 0.3184, 0.3970

Background



This preview shows how black text looks on a background with the Yxy color 36.0876, 0.3184, 0.3970.



This preview shows how white text looks on a background with the Yxy color 36.0876, 0.3184, 0.3970.

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

36.0876, 0.3184, 0.3970

Protanopia

35.8292, 0.3589, 0.3826

Deuteranopia

35.7727, 0.3701, 0.3621



Tritanopia

35.8763, 0.2851, 0.3084

Trichromacy



Original Color

36.0876, 0.3184, 0.3970

Protanomaly

35.8645, 0.3434, 0.3891

Deuteranomaly

35.6475, 0.3502, 0.3743

Tritanomaly

36.0151, 0.2969, 0.3396

Monochromacy



Original Color

36.0876, 0.3184, 0.3970

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

33.9546, 0.3145, 0.3521

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.0876, 0.3184, 0.3970 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(138, 171, 128)` looks like.

```
.text, #text, p{  
    color:rgb(138, 171, 128)  
}
```

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(138, 171, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 171, 128) }
```

Border

The CSS property to change the border of an element to Yxy 36.0876, 0.3184, 0.3970 is called "border". The border property can be set on classes, ids or directly on the HTML element.

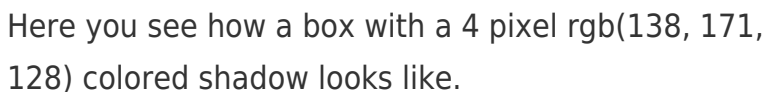
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(138, 171, 128) }
```

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

```
.border{ border-color:rgb(138, 171, 128) }
```

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



Here you see how a box with a 4 pixel `rgb(138, 171, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(138, 171, 128); -webkit-box-shadow:4px 4px 4px 4px rgb(138, 171, 128); box-shadow:4px 4px 4px 4px rgb(138, 171, 128) }
```


Background

The CSS property to change the background color of an element to Yxy 36.0876, 0.3184, 0.3970 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 171, 128) }
```

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

```
.background{ background-color: rgb(138,  
171, 128) }
```

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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