

Converting Colors

$Yxy(36.0828, 0.3097, 0.3930)$

Have a look what the booklet for
Yxy(36.0828, 0.3097, 0.3930)
contains.

Yxy(36.0765, 0.3097, 0.3930)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(36.0765, 0.3097, 0.3930)

Conversions

Conversions Part 1

Format	Color
Hex	84AC84
RGB	132, 172, 132
RGB Percent	52%, 67%, 52%
CMY	0.4824, 0.3255, 0.4824
CMYK	0.23, 0.00, 0.23, 0.33
HSL	120°, 19%, 60%
HSV	120°, 23%, 67%
XYZ	28.4298, 36.0765, 27.2915
YIQ	155.4800, -11.0000, -20.9200

Conversions

Conversions Part 2

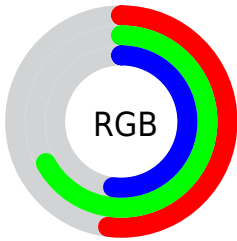
Format	Color
RYB	132, 172, 172
Decimal	8694916
CIELab	66.58, -21.55, 16.28
CIElCh	67, 27.009, 142.945
Yxy	36.0765, 0.3097, 0.3930
Android (android.graphics.Color)	4286884996 (0xFF84AC84)
YUV	155.4800, -11.5756, -20.5920
Hunter-Lab	60.0637, -20.6227, 15.1047

Details

The Yxy color **36.0765, 0.3097, 0.3930** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **28.2462, 0.3154, 0.2724**, and the grayscale version is **33.0567, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.4287, 0.3110, 0.3805**, and **15.7915, 0.3074, 0.4173** is the 20% darker color. If you saturate the color by 10%, you get **34.3715, 0.3082, 0.4258**, and if you desaturate by 10%, it is **38.0908, 0.3111, 0.3633**.

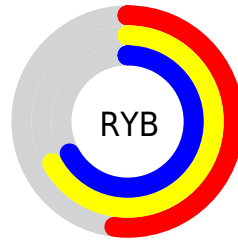
Distribution



Red (52%)

Green (67%)

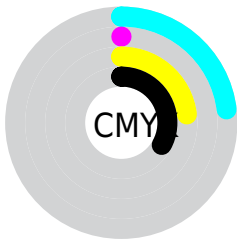
Blue (52%)



Red (52%)

Yellow (67%)

Blue (67%)

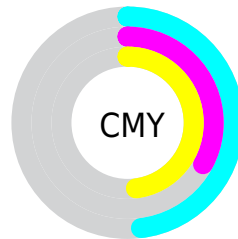


Cyan (23%)

Magenta (0%)

Yellow (23%)

Black (33%)



Cyan (48%)

Magenta (33%)

Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.0765, 0.3097, 0.3930 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 36.0765, 0.3097, 0.3930 by changing the saturation by 10% instead.


 36.0765, 0.3097,
0.3930


 36.0765, 0.3097,
0.3930


329.2948, 0.3119,
0.3584


 24.4933, 0.3089,
0.4026


 69.1501, 0.3107,
0.3798

 15.6999, 0.3076,
0.4155


 91.4093, 0.3110,
0.3750

 9.3121, 0.3054,
0.4337


 117.9960, 0.3113,
0.3711

 4.9453, 0.3016,
0.4615

149.2945, 0.3114,
0.3677

 2.2152, 0.2934,
0.5089

185.6892, 0.3116,
0.3649

 0.7283, 0.1856,
0.8144

227.5646, 0.3117,

 0.0000, 0.0000,

0.3624

0.0000

275.3050, 0.3118,
0.3603

■ 36.0765, 0.3097,
0.3930

■ 36.0765, 0.3097,
0.3930

■ 34.3715, 0.3082,
0.4258

■ 38.0908, 0.3111,
0.3633

■ 32.9561, 0.3065,
0.4606

■ 40.4238, 0.3123,
0.3369

■ 31.8157, 0.3049,
0.4959


■ 43.0900, 0.3134,
0.3139

■ 30.9324, 0.3033,
0.5295

■ 46.1019, 0.3144,
0.2940

■ 30.2863, 0.3019,
0.5585


■ 49.4713, 0.3152,
0.2769

 29.8544, 0.3009,
0.5805

 53.2092, 0.3159,
0.2622

 29.6094, 0.3003,
0.5941

 57.3264, 0.3165,
0.2497

 29.5088, 0.3000,
0.6000

 57.9887, 0.3165,
0.2479

Harmonies

Analogous

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



36.0765, 0.3501, 0.4031



36.0765, 0.3097, 0.3930



36.0765, 0.2717, 0.3615

Triad

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



36.0765, 0.3097, 0.3930



36.0765, 0.2464, 0.2666



36.0765, 0.3843, 0.3302

Complementary

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



36.0765, 0.3097, 0.3930



28.2462, 0.3154, 0.2724

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.



36.0765, 0.3529, 0.2986



36.0765, 0.3097, 0.3930



36.0765, 0.2728, 0.2630

Square

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



36.0765, 0.3097, 0.3930



36.0765, 0.2368, 0.2867



36.0765, 0.3115, 0.2747



36.0765, 0.3949, 0.3633

Rectangle

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



36.0765, 0.3097, 0.3930



36.0765, 0.2526, 0.3346



36.0765, 0.3115, 0.2747



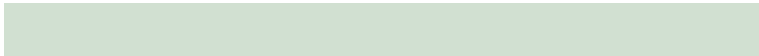
36.0765, 0.3758, 0.3192

Sweetspot

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



36.0780, 0.3097, 0.3930



71.6255, 0.3119, 0.3467



39.9457, 0.3471, 0.3859



15.5132, 0.3118, 0.3481



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.



36.0780, 0.3097, 0.3930



63.7570, 0.3089, 0.4098



36.6791, 0.2940, 0.3602



8.9394, 0.3116, 0.3524



21.9567, 0.3000, 0.6000



0.6108, 0.3000, 0.5998

Inverse Universe

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



28.2462, 0.3154, 0.2724



47.0022, 0.3160, 0.2596



27.5347, 0.3367, 0.2998



8.1480, 0.3138, 0.3067



8.7415, 0.3210, 0.1542



0.2432, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 36.0765, 0.3097, 0.3930 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 36.0765, 0.3097, 0.3930 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

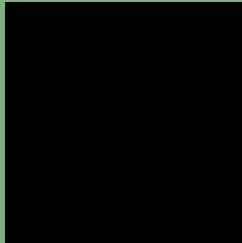
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.0765, 0.3097, 0.3930

Background



This preview shows how black text looks on a background with the Yxy color 36.0765, 0.3097, 0.3930.



This preview shows how white text looks on a background with the Yxy color 36.0765, 0.3097, 0.3930.

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

36.0765, 0.3097, 0.3930

Protanopia

35.7927, 0.3551, 0.3784

Deuteranopia

35.6594, 0.3629, 0.3554



Tritanopia

36.1026, 0.2795, 0.3097

Trichromacy



Original Color

36.0765, 0.3097, 0.3930

Protanomaly

35.6633, 0.3368, 0.3835

Deuteranomaly

35.3460, 0.3414, 0.3674

Tritanomaly

35.9323, 0.2902, 0.3381

Monochromacy



Original Color

36.0765, 0.3097, 0.3930

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

33.7994, 0.3117, 0.3507

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.0765, 0.3097, 0.3930 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(132, 172, 132)` looks like.

```
.text, #text, p{  
    color:rgb(132, 172, 132)  
}
```

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(132, 172, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 172, 132) }
```

Border

The CSS property to change the border of an element to Yxy 36.0765, 0.3097, 0.3930 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(132, 172, 132) }
```

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

```
.border{ border-color:rgb(132, 172, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 172, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 172, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 172, 132);  
box-shadow:4px 4px 4px 4px rgb(132, 172,  
132) }
```


Background

The CSS property to change the background color of an element to Yxy 36.0765, 0.3097, 0.3930 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 172, 132) }
```

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

```
.background{ background-color: rgb(132,  
172, 132) }
```

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