

# Converting Colors

$Yxy(36.0082, 0.3106, 0.4555)$

Have a look what the booklet for  
Yxy(36.0082, 0.3106, 0.4555)  
contains.

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# Color

**Yxy(36.0082, 0.3106, 0.4555)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	6CB267
RGB	108, 178, 103
RGB Percent	42%, 70%, 40%
CMY	0.5765, 0.3020, 0.5960
CMYK	0.39, 0.00, 0.42, 0.30
HSL	116°, 33%, 55%
HSV	116°, 42%, 70%
XYZ	24.5536, 36.0082, 18.4903
YIQ	148.5200, -17.6450, -38.1650

# Conversions

## Conversions Part 2

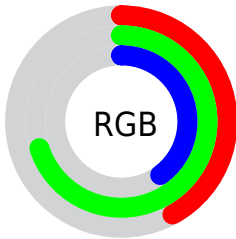
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">103, 178, 173</a>
Decimal	<a href="#">7123559</a>
CIELab	<a href="#">66.53, -37.28, 31.53</a>
CIElCh	<a href="#">67, 48.824, 139.771</a>
Yxy	<a href="#">36.0082, 0.3106, 0.4555</a>
Android (android.graphics.Color)	<a href="#">4285313639 (0xFF6CB267)</a>
YUV	<a href="#">148.5200, -22.4414, -35.5360</a>
Hunter-Lab	<a href="#">60.0068, -31.9734, 23.7354</a>

# Details

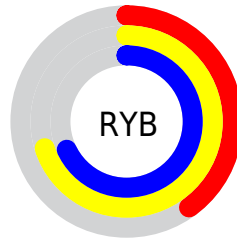
The Yxy color **36.0082, 0.3106, 0.4555** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **21.8022, 0.3116, 0.2255**, and the grayscale version is **29.9456, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.8936, 0.3124, 0.4285**, and **15.7458, 0.3055, 0.5023** is the 20% darker color. If you saturate the color by 10%, you get **34.7450, 0.3094, 0.4904**, and if you desaturate by 10%, it is **37.5490, 0.3115, 0.4213**.

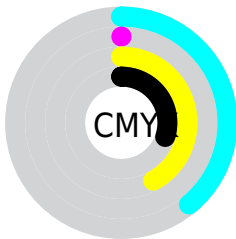
# Distribution



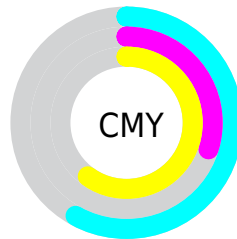
- Red (42%)
- Green (70%)
- Blue (40%)



- Red (40%)
- Yellow (70%)
- Blue (68%)



- Cyan (39%)
- Magenta (0%)
- Yellow (42%)
- Black (30%)




- Cyan (58%)
- Magenta (30%)
- Yellow (60%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 36.0082, 0.3106, 0.4555 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 36.0082, 0.3106, 0.4555 by changing the saturation by 10% instead.




 36.0082, 0.3106,  
0.4555


 36.0082, 0.3106,  
0.4555


328.9964, 0.3142,  
0.3857

 24.4405, 0.3085,  
0.4751


 69.0447, 0.3127,  
0.4285


 15.6607, 0.3050,  
0.5016


 91.2824, 0.3132,  
0.4189

 9.2844, 0.2986,  
0.5389


 117.8454, 0.3136,  
0.4109

 4.9271, 0.2857,  
0.5945

 149.1184, 0.3138,  
0.4043

 2.2046, 0.2733,  
0.7267

185.4855, 0.3140,  
0.3986

 0.7225, 0.0000,  
1.0000


227.3313, 0.3141,


 0.0000, 0.0000,

0.3937

0.0000

275.0401, 0.3142,  
0.3894

 36.0082, 0.3106,  
0.4555


 36.0082, 0.3106,  
0.4555


 34.7450, 0.3094,  
0.4904


 37.5490, 0.3115,  
0.4213


 33.7388, 0.3079,  
0.5238


 39.3778, 0.3121,  
0.3892

 32.9731, 0.3061,  
0.5533


 41.5099, 0.3125,  
0.3601


 32.4278, 0.3043,  
0.5765


 43.9581, 0.3127,  
0.3341

 32.0793, 0.3024,  
0.5916


 46.7347, 0.3127,  
0.3114

 31.9189, 0.3015,  
0.5988

 49.8511, 0.3127,  
0.2916

 53.3184, 0.3125,  
0.2745

 57.1469, 0.3124,  
0.2598

 60.3218, 0.3163,  
0.2536

# Harmonies

## Analogous

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



36.0082, 0.3812, 0.4625



36.0082, 0.3106, 0.4555



36.0082, 0.2444, 0.3974

# Triad

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



36.0082, 0.3106, 0.4555



36.0082, 0.1966, 0.2228



36.0082, 0.4385, 0.3205

# Complementary

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



36.0082, 0.3106, 0.4555



21.8022, 0.3116, 0.2255

# 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.



36.0082, 0.3767, 0.2710



36.0082, 0.3106, 0.4555



36.0082, 0.2362, 0.2169

# Square

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



36.0082, 0.3106, 0.4555



36.0082, 0.1841, 0.2559



36.0082, 0.3004, 0.2344



36.0082, 0.4603, 0.3754



# Rectangle

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



36.0082, 0.3106, 0.4555



36.0082, 0.2116, 0.3442



36.0082, 0.3004, 0.2344



36.0082, 0.4214, 0.3030

# Sweetspot

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



36.0097, 0.3106, 0.4555



74.8223, 0.3125, 0.3631



40.3331, 0.3771, 0.4254



16.3814, 0.3124, 0.3693



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



36.0097, 0.3106, 0.4555



63.0569, 0.3094, 0.4895



36.4896, 0.2843, 0.4001



9.5162, 0.3126, 0.3524



22.8482, 0.3018, 0.5986



0.7278, 0.3092, 0.5927



# Inverse Universe

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



21.8022, 0.3116, 0.2255



33.6714, 0.3108, 0.2038



21.2278, 0.3582, 0.2681



8.6174, 0.3127, 0.3065



8.1227, 0.3045, 0.1451



0.2641, 0.3094, 0.1478



# Previews

## White Background



This preview shows how the Yxy color 36.0082, 0.3106, 0.4555 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 36.0082, 0.3106, 0.4555 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

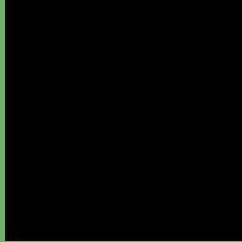
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 36.0082, 0.3106, 0.4555**

## **Background**



This preview shows how black text looks on a background with the Yxy color 36.0082, 0.3106, 0.4555.



This preview shows how white text looks on a background with the Yxy color 36.0082, 0.3106, 0.4555.

# 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

36.0082, 0.3106, 0.4555

### Protanopia

35.5829, 0.3867, 0.4194

### Deuteranopia

35.5528, 0.3978, 0.3895



## Tritanopia

35.9643, 0.2647, 0.3091

# Trichromacy



**Original Color**

36.0082, 0.3106, 0.4555

**Protanomaly**

35.1176, 0.3559, 0.4335

**Deuteranomaly**

34.9373, 0.3622, 0.4128

**Tritanomaly**

35.6565, 0.2821, 0.3595

# Monochromacy



**Original Color**

36.0082, 0.3106, 0.4555

**Achromatopsia**

30.0544, 0.3127, 0.3290

**Achromatomaly**

31.8759, 0.3125, 0.3749

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 36.0082, 0.3106, 0.4555 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(108, 178, 103)` looks like.

```
.text, #text, p{  
    color:rgb(108, 178, 103)  
}
```

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(108, 178, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 178, 103) }
```

## Border

The CSS property to change the border of an element to Yxy 36.0082, 0.3106, 0.4555 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(108, 178, 103) }
```

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

```
.border{ border-color:rgb(108, 178, 103) }
```

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

Here you see how a box with a 4 pixel rgb(108, 178, 103) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 178, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 178, 103);  
box-shadow:4px 4px 4px 4px rgb(108, 178,  
103) }
```



# Background

The CSS property to change the background color of an element to Yxy 36.0082, 0.3106, 0.4555 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 178, 103) }
```

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

```
.background{ background-color: rgb(108,  
178, 103) }
```

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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