

# Converting Colors

Yxy(36.4809, 0.3001, 0.5890)

Have a look what the booklet for  
Yxy(36.4809, 0.3001, 0.5890)  
contains.

<b>Yxy(36.6165, 0.3002, 0.5889)</b>	3
<i><b>Conversions</b></i>	4
<i><b>Details</b></i>	6
<i><b>Harmonies</b></i>	12
<i><b>Previews</b></i>	24
<i><b>Color Blindness Simulation</b></i>	27
<i><b>CSS Examples</b></i>	30

**Color**

**Yxy(36.6165, 0.3002, 0.5889)**

# Conversions

Conversions Part 1	
Format	Color
Hex	15BD17
RGB	21, 189, 23
RGB Percent	8%, 74%, 9%
CMY	0.9166, 0.2588, 0.9097
CMYK	0.89, 0.00, 0.88, 0.26
HSL	121°, 80%, 41%
HSV	121°, 89%, 74%
XYZ	18.6658, 36.6165, 6.8955
YIQ	119.8440, -46.8420, -87.2420

# Conversions

## Conversions Part 2

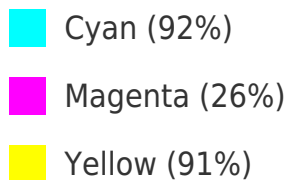
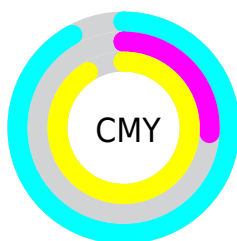
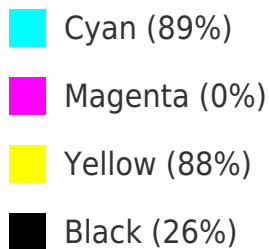
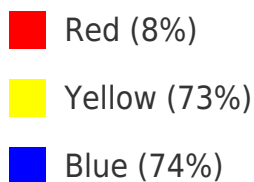
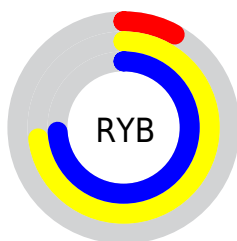
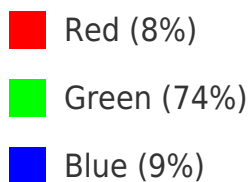
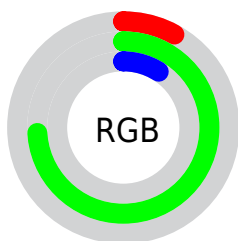
Format	Color
<a href="#">RYB</a>	<a href="#">21, 187, 189</a>
Decimal	<a href="#">1424663</a>
CIELab	<a href="#">66.99, -67.08, 63.36</a>
CIELCh	<a href="#">67, 92.274, 136.632</a>
Yxy	<a href="#">36.6165, 0.3002, 0.5889</a>
Android (android.graphics.Color)	<a href="#">4279614743</a> (0xFF15BD17)
YUV	<a href="#">119.8440, -47.7441, -86.6862</a>
Hunter-Lab	<a href="#">60.5116, -50.8340, 35.6018</a>

# Details

The Yxy color **36.6165, 0.3002, 0.5889** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **14.9619, 0.3230, 0.1598**, and the grayscale version is **18.9234, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.1967, 0.3108, 0.5352**, and **17.0502, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **36.4185, 0.2999, 0.5984**, and if you desaturate by 10%, it is **37.0133, 0.3009, 0.5713**.

# Distribution





# Brightness & Saturation Gradients

These gradients show how the Yxy color 36.6165, 0.3002, 0.5889 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 36.6165, 0.3002, 0.5889 by changing the saturation by 10% instead.





 36.6165, 0.3002,  
0.5889


 36.6165, 0.3002,  
0.5889


 331.6472, 0.3186,  
0.4448


 24.9107, 0.2900,  
0.6265


 69.9826, 0.3107,  
0.5344


 16.0105, 0.2733,  
0.6737


 92.4116, 0.3135,  
0.5145

 9.5316, 0.2503,  
0.7474


 119.1839, 0.3153,  
0.4978

 5.0895, 0.1980,  
0.8020

 150.6838, 0.3166,  
0.4838

 2.2999, 0.0612,  
0.9388

 187.2956, 0.3174,  
0.4719

 0.7736, 0.0000,  
1.0000


 229.4039, 0.3180,


 0.0000, 0.0000,


0.4616


0.0000


277.3930, 0.3184,  
0.4526

 36.6165, 0.3002,  
0.5889


 36.6165, 0.3002,  
0.5889


 36.4185, 0.2999,  
0.5984


 37.0133, 0.3009,  
0.5713


 36.3981, 0.2998,  
0.5994


 37.6562, 0.3019,  
0.5458


 38.5781, 0.3034,  
0.5144

 39.8060, 0.3050,  
0.4797

 41.3635, 0.3067,  
0.4444

 43.2721, 0.3084,  
0.4104

 45.5512, 0.3101,  
0.3790

 48.2191, 0.3115,  
0.3508

 51.2926, 0.3129,  
0.3261

# Harmonies

## Analogous

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



36.6165, 0.4158, 0.5507



36.6165, 0.3002, 0.5889



36.6165, 0.1929, 0.4830

# Triad

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



36.6165, 0.3002, 0.5889



36.6165, 0.1219, 0.1542



36.6165, 0.5369, 0.2912

# Complementary

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



36.6165, 0.3002, 0.5889



14.9619, 0.3230, 0.1598

# 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.



36.6165, 0.4123, 0.2216



36.6165, 0.3002, 0.5889



36.6165, 0.1734, 0.1473

# Square

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



36.6165, 0.3002, 0.5889



36.6165, 0.1063, 0.2008



36.6165, 0.2715, 0.1706



36.6165, 0.5713, 0.3685

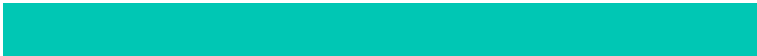


# Rectangle

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



36.6165, 0.3002, 0.5889



36.6165, 0.1426, 0.3647



36.6165, 0.2715, 0.1706



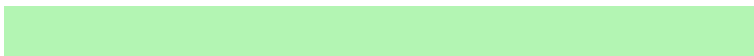
36.6165, 0.5028, 0.2668

# Sweetspot

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



36.6180, 0.3002, 0.5889



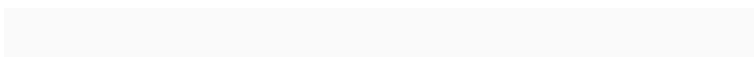
78.0033, 0.3087, 0.4061



47.2673, 0.4167, 0.5009



16.5016, 0.3081, 0.4173



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290



# Same Dimension

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



36.6180, 0.3002, 0.5889



65.1895, 0.2999, 0.5995



37.5786, 0.2695, 0.4806



10.6512, 0.3115, 0.3524



24.4915, 0.2998, 0.5992



0.9599, 0.2989, 0.5960



# Inverse Universe

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



14.9619, 0.3230, 0.1598



25.8003, 0.3236, 0.1556



12.3869, 0.4694, 0.2441



9.6945, 0.3139, 0.3066



9.6942, 0.3235, 0.1556

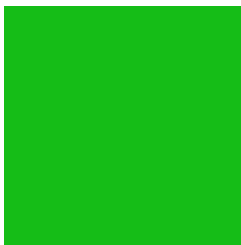


0.3803, 0.3229, 0.1552



# Previews

## White Background



This preview shows how the Yxy color 36.6165, 0.3002, 0.5889 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

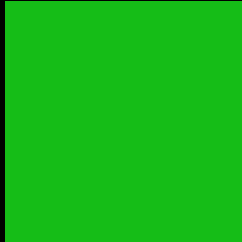
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 36.6165, 0.3002, 0.5889 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 36.6165, 0.3002, 0.5889**

## Background



This preview shows how black text looks on a background with the Yxy color 36.6165, 0.3002, 0.5889.



This preview shows how white text looks on a background with the Yxy color 36.6165, 0.3002, 0.5889.

# 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

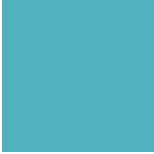
36.6165, 0.3002, 0.5889

### Protanopia

35.8148, 0.4381, 0.4860

### Deuteranopia

35.6762, 0.4579, 0.4474



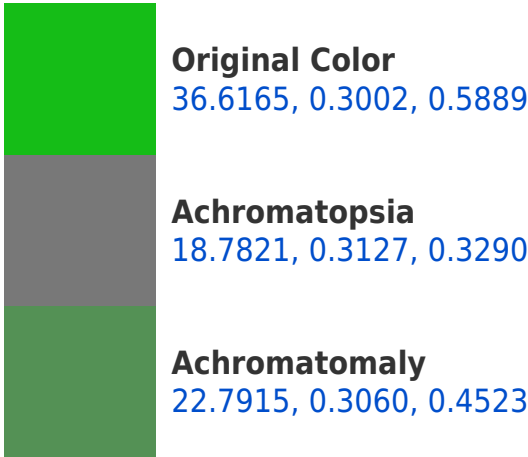
## Tritanopia

36.5177, 0.2371, 0.3069

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 36.6165, 0.3002, 0.5889 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(21, 189, 23)` looks like.

```
.text, #text, p{  
    color:rgb(21, 189, 23)  
}
```

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(21, 189, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 189, 23) }
```

## Border

The CSS property to change the border of an element to Yxy 36.6165, 0.3002, 0.5889 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(21, 189, 23) }
```

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

```
.border{ border-color:rgb(21, 189, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 189, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 189, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 189, 23);  
box-shadow:4px 4px 4px 4px rgb(21, 189,  
23) }
```



# Background

The CSS property to change the background color of an element to Yxy 36.6165, 0.3002, 0.5889 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 189, 23) }
```

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

```
.background{ background-color: rgb(21, 189,  
23) }
```

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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