

Converting Colors

$Y_{xy}(36.2845, 0.3762, 0.5259)$

Have a look what the booklet for
Yxy(36.2845, 0.3762, 0.5259)
contains.

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Color

Yxy(36.4529, 0.3761, 0.5263)

Conversions

Conversions Part 1

Format	Color
Hex	89B01C
RGB	137, 176, 28
RGB Percent	54%, 69%, 11%
CMY	0.4628, 0.3098, 0.8903
CMYK	0.22, 0.00, 0.84, 0.31
HSL	76°, 73%, 40%
HSV	76°, 84%, 69%
XYZ	26.0497, 36.4529, 6.7600
YIQ	147.4670, 24.2640, -54.2960

Conversions

Conversions Part 2

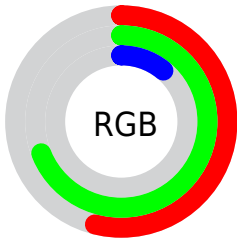
Format	Color
RYB	28, 176, 67
Decimal	9023516
CIELab	66.86, -32.39, 63.68
CIELCh	67, 71.442, 116.963
Yxy	36.4529, 0.3761, 0.5263
Android (android.graphics.Color)	4287213596 (0xFF89B01C)
YUV	147.4670, -58.8972, -9.1796
Hunter-Lab	60.3762, -28.6436, 35.6250

Details

The Yxy color **36.4529, 0.3761, 0.5263** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **5.1578, 0.1846, 0.0901**, and the grayscale version is **29.6218, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.8871, 0.3705, 0.4898**, and **15.9598, 0.3636, 0.5495** is the 20% darker color. If you saturate the color by 10%, you get **36.0099, 0.3749, 0.5368**, and if you desaturate by 10%, it is **36.9653, 0.3748, 0.5112**.

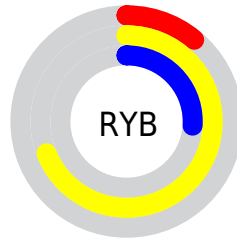
Distribution



Red (54%)

Green (69%)

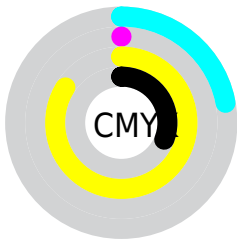
Blue (11%)



Red (11%)

Yellow (69%)

Blue (26%)

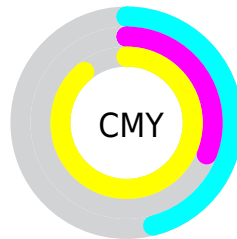


Cyan (22%)

Magenta (0%)

Yellow (84%)

Black (31%)



Cyan (46%)


Magenta (31%)


Yellow (89%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 36.4529, 0.3761, 0.5263 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 36.4529, 0.3761, 0.5263 by changing the saturation by 10% instead.


 36.4529, 0.3761,
0.5263


 36.4529, 0.3761,
0.5263


 330.9358, 0.3523,
0.4235

 24.7842, 0.3775,
0.5506


 69.7305, 0.3704,
0.4893

 15.9163, 0.3760,
0.5797

 92.1082, 0.3673,
0.4752


 9.4650, 0.3750,
0.6250

 118.8244, 0.3643,
0.4632

 5.0457, 0.3477,
0.6523

 150.2634, 0.3615,
0.4529

 2.2741, 0.3037,
0.6963

 186.8096, 0.3589,
0.4440

 0.7599, 0.0000,
1.0000

 228.8475, 0.3565,

 0.0000, 0.0000,

0.4363

0.0000

276.7614, 0.3543,
0.4295

■ 36.4529, 0.3761,
0.5263

■ 36.4529, 0.3761,
0.5263

■ 36.0099, 0.3749,
0.5368

■ 36.9653, 0.3748,
0.5112

■ 35.7687, 0.3736,
0.5416

■ 37.5499, 0.3710,
0.4917

■ 38.2146, 0.3650,
0.4688

■ 38.9653, 0.3571,
0.4435

■ 39.8068, 0.3479,
0.4170

■ 40.7437, 0.3378,
0.3901

■ 41.7804, 0.3274,
0.3639

■ 42.9207, 0.3169,
0.3388

■ 44.1684, 0.3067,
0.3153

Harmonies

Analogous

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



36.4529, 0.4633, 0.4722



36.4529, 0.3761, 0.5263



36.4529, 0.2786, 0.5084

Triad

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



36.4529, 0.3761, 0.5263



36.4529, 0.1405, 0.2090



36.4529, 0.4298, 0.2618

Complementary

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



36.4529, 0.3761, 0.5263



5.1578, 0.1846, 0.0901

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.



36.4529, 0.3181, 0.2102



36.4529, 0.3761, 0.5263



36.4529, 0.1647, 0.1789

Square

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



36.4529, 0.3761, 0.5263



36.4529, 0.1491, 0.2827



36.4529, 0.2233, 0.1811



36.4529, 0.5084, 0.3270

Rectangle

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



36.4529, 0.3761, 0.5263



36.4529, 0.2198, 0.4432



36.4529, 0.2233, 0.1811



36.4529, 0.3934, 0.2426

Sweetspot

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



36.4545, 0.3761, 0.5263



73.6518, 0.3392, 0.3937



13.0938, 0.5608, 0.3671



15.8329, 0.3427, 0.4029



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.



36.4545, 0.3761, 0.5263



64.7511, 0.3728, 0.5422



32.2607, 0.3168, 0.5704



9.7917, 0.3224, 0.3518



26.2712, 0.3741, 0.5412



0.8531, 0.3873, 0.5307

Inverse Universe

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



5.1578, 0.1846, 0.0901



6.6613, 0.1649, 0.0682



9.4535, 0.2690, 0.1346



8.3349, 0.3025, 0.3057



2.7577, 0.1671, 0.0694



0.1157, 0.1982, 0.0865

Previews

White Background



This preview shows how the Yxy color 36.4529, 0.3761, 0.5263 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 36.4529, 0.3761, 0.5263 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

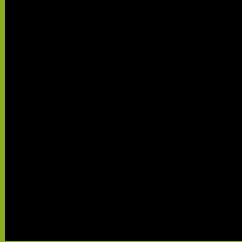
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.4529, 0.3761, 0.5263

Background



This preview shows how black text looks on a background with the Yxy color 36.4529, 0.3761, 0.5263.



This preview shows how white text looks on a background with the Yxy color 36.4529, 0.3761, 0.5263.

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

36.4529, 0.3761, 0.5263

Protanopia

36.3276, 0.4357, 0.4827

Deuteranopia

36.1087, 0.4602, 0.4508



Tritanopia

36.4006, 0.2910, 0.3101

Trichromacy



Original Color

36.4529, 0.3761, 0.5263

Protanomaly

36.1824, 0.4130, 0.4997

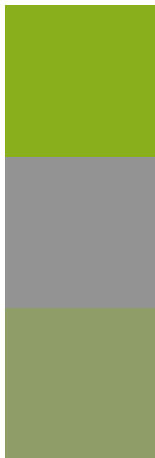
Deuteranomaly

35.6713, 0.4298, 0.4782

Tritanomaly

35.6384, 0.3316, 0.3991

Monochromacy



Original Color

36.4529, 0.3761, 0.5263

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

31.2928, 0.3469, 0.4166

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.4529, 0.3761, 0.5263 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(137, 176, 28)` looks like.

```
.text, #text, p{  
    color:rgb(137, 176, 28)  
}
```

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(137, 176, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 176, 28) }
```

Border

The CSS property to change the border of an element to Yxy 36.4529, 0.3761, 0.5263 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(137, 176, 28) }
```

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

```
.border{ border-color:rgb(137, 176, 28) }
```

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

Here you see how a box with a 4 pixel rgb(137, 176, 28) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 176, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 176, 28);  
box-shadow:4px 4px 4px 4px rgb(137, 176,  
28) }
```


Background

The CSS property to change the background color of an element to Yxy 36.4529, 0.3761, 0.5263 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 176, 28) }
```

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

```
.background{ background-color: rgb(137,  
176, 28) }
```

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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