

Converting Colors

$Yxy(36.5959, 0.3616, 0.5297)$

Have a look what the booklet for
Yxy(36.5959, 0.3616, 0.5297)
contains.

Yxy(36.4100, 0.3616, 0.5297)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(36.4100, 0.3616, 0.5297)

Conversions

Conversions Part 1

Format	Color
Hex	7EB225
RGB	126, 178, 37
RGB Percent	49%, 70%, 15%
CMY	0.5060, 0.3019, 0.8547
CMYK	0.29, 0.00, 0.79, 0.30
HSL	82°, 66%, 42%
HSV	82°, 79%, 70%
XYZ	24.8553, 36.4100, 7.4717
YIQ	146.3780, 14.2690, -54.8750

Conversions

Conversions Part 2

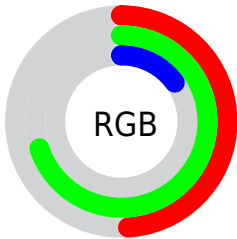
Format	Color
RYB	37, 178, 89
Decimal	8303141
CIELab	66.83, -37.29, 60.93
CIElCh	67, 71.440, 121.469
Yxy	36.4100, 0.3616, 0.5297
Android (android.graphics.Color)	4286493221 (0xFF7EB225)
YUV	146.3780, -53.9234, -17.8715
Hunter-Lab	60.3407, -32.0692, 34.8969

Details

The Yxy color **36.4100, 0.3616, 0.5297** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **6.6696, 0.2061, 0.1072**, and the grayscale version is **29.1297, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.7211, 0.3588, 0.4908**, and **16.0068, 0.3484, 0.5615** is the 20% darker color. If you saturate the color by 10%, you get **35.8424, 0.3600, 0.5444**, and if you desaturate by 10%, it is **37.0681, 0.3608, 0.5103**.

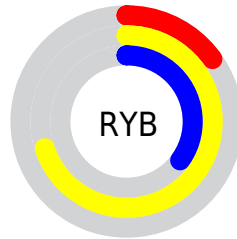
Distribution



Red (49%)

Green (70%)

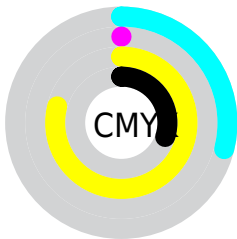
Blue (15%)



Red (15%)

Yellow (70%)

Blue (35%)

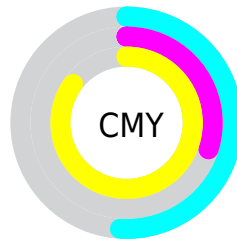


Cyan (29%)

Magenta (0%)

Yellow (79%)

Black (30%)



Cyan (51%)


Magenta (30%)


Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.4100, 0.3616, 0.5297 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 36.4100, 0.3616, 0.5297 by changing the saturation by 10% instead.


 36.4100, 0.3616,
0.5297


 36.4100, 0.3616,
0.5297

330.7490, 0.3448,
0.4232

 24.7510, 0.3615,
0.5559


 69.6644, 0.3583,
0.4907


 15.8916, 0.3583,
0.5880

 92.0286, 0.3561,
0.4760

 9.4475, 0.3529,
0.6350


 118.7301, 0.3539,
0.4636

 5.0342, 0.3257,
0.6743

 150.1531, 0.3519,
0.4531

 2.2673, 0.2752,
0.7248

 186.6821, 0.3499,
0.4440

 0.7563, 0.0000,
1.0000

 228.7015, 0.3481,

 0.0000, 0.0000,

0.4362

0.0000

276.5957, 0.3464,
0.4293

■ 36.4100, 0.3616,
0.5297

■ 36.4100, 0.3616,
0.5297

■ 35.8424, 0.3600,
0.5444

■ 37.0681, 0.3608,
0.5103

■ 35.3467, 0.3565,
0.5546

■ 37.8196, 0.3576,
0.4869

■ 35.3083, 0.3562,
0.5554

■ 38.6726, 0.3525,
0.4607

■ 39.6329, 0.3457,
0.4331

■ 40.7058, 0.3379,
0.4051

■ 41.8962, 0.3294,
0.3777

■ 43.2087, 0.3207,
0.3515

■ 44.6475, 0.3120,
0.3271

■ 46.2167, 0.3036,
0.3045

Harmonies

Analogous

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



36.4100, 0.4517, 0.4826



36.4100, 0.3616, 0.5297



36.4100, 0.2645, 0.4970

Triad

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



36.4100, 0.3616, 0.5297



36.4100, 0.1420, 0.2020



36.4100, 0.4451, 0.2710

Complementary

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



36.4100, 0.3616, 0.5297



6.6696, 0.2061, 0.1072

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.



36.4100, 0.3347, 0.2167



36.4100, 0.3616, 0.5297



36.4100, 0.1711, 0.1773

Square

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



36.4100, 0.3616, 0.5297



36.4100, 0.1455, 0.2684



36.4100, 0.2353, 0.1837



36.4100, 0.5145, 0.3374

Rectangle

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



36.4100, 0.3616, 0.5297



36.4100, 0.2083, 0.4247



36.4100, 0.2353, 0.1837



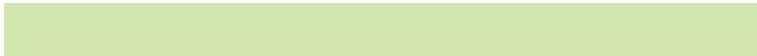
36.4100, 0.4101, 0.2510

Sweetspot

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



36.4116, 0.3616, 0.5297



74.8112, 0.3339, 0.3919



16.7009, 0.5204, 0.3906



16.4091, 0.3369, 0.4016



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.



36.4116, 0.3616, 0.5297



64.3135, 0.3574, 0.5520



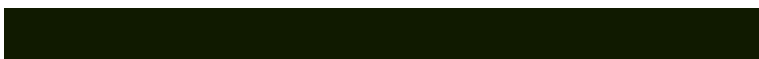
32.8149, 0.3091, 0.5673



9.7467, 0.3208, 0.3519



25.2970, 0.3568, 0.5549



0.8277, 0.3747, 0.5407

Inverse Universe

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



6.6696, 0.2061, 0.1072



8.4094, 0.1837, 0.0804



11.9340, 0.2947, 0.1526



8.3778, 0.3041, 0.3059



3.1549, 0.1810, 0.0771



0.1331, 0.2149, 0.0958

Previews

White Background



This preview shows how the Yxy color 36.4100, 0.3616, 0.5297 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 36.4100, 0.3616, 0.5297 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

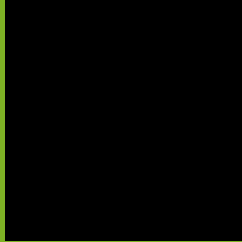
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.4100, 0.3616, 0.5297

Background



This preview shows how black text looks on a background with the Yxy color 36.4100, 0.3616, 0.5297.



This preview shows how white text looks on a background with the Yxy color 36.4100, 0.3616, 0.5297.

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

36.4100, 0.3616, 0.5297

Protanopia

35.8955, 0.4329, 0.4784

Deuteranopia

36.0295, 0.4553, 0.4465



Tritanopia

36.2779, 0.2811, 0.3097

Trichromacy



Original Color

36.4100, 0.3616, 0.5297

Protanomaly

35.8021, 0.4061, 0.4981

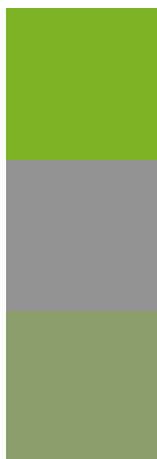
Deuteranomaly

35.4978, 0.4198, 0.4769

Tritanomaly

35.5160, 0.3175, 0.3977

Monochromacy



Original Color

36.4100, 0.3616, 0.5297

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

30.9833, 0.3409, 0.4146

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.4100, 0.3616, 0.5297 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(126, 178, 37)` looks like.

```
.text, #text, p{  
    color:rgb(126, 178, 37)  
}
```

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(126, 178, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 178, 37) }
```

Border

The CSS property to change the border of an element to Yxy 36.4100, 0.3616, 0.5297 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(126, 178, 37) }
```

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

```
.border{ border-color:rgb(126, 178, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 178, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 178, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 178, 37);  
box-shadow:4px 4px 4px 4px rgb(126, 178,  
37) }
```


Background

The CSS property to change the background color of an element to Yxy 36.4100, 0.3616, 0.5297 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 178, 37) }
```

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

```
.background{ background-color: rgb(126,  
178, 37) }
```

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