

Converting Colors

Yxy(34.9206, 0.3436, 0.5368)

Have a look what the booklet for
Yxy(34.9206, 0.3436, 0.5368)
contains.

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Color

Yxy(34.7996, 0.3442, 0.5366)

Conversions

Conversions Part 1

Format	Color
Hex	6CB12A
RGB	108, 177, 42
RGB Percent	42%, 69%, 16%
CMY	0.5766, 0.3059, 0.8353
CMYK	0.39, 0.00, 0.76, 0.31
HSL	91°, 62%, 43%
HSV	91°, 76%, 69%
XYZ	22.3221, 34.7996, 7.7304
YIQ	140.9790, 2.2110, -56.6130

Conversions

Conversions Part 2

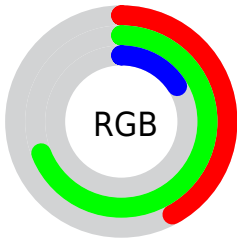
Format	Color
RYB	42, 177, 111
Decimal	7123242
CIELab	65.59, -43.21, 57.86
CIElCh	66, 72.212, 126.749
Yxy	34.7996, 0.3442, 0.5366
Android (android.graphics.Color)	4285313322 (0xFF6CB12A)
YUV	140.9790, -48.7966, -28.9226
Hunter-Lab	58.9912, -35.6908, 33.5243

Details

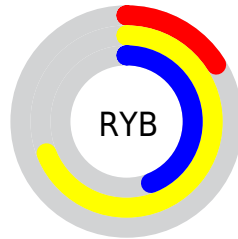
The Yxy color **34.7996, 0.3442, 0.5366** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **8.2120, 0.2325, 0.1246**, and the grayscale version is **26.8202, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.0522, 0.3437, 0.4940**, and **15.1191, 0.3277, 0.5780** is the 20% darker color. If you saturate the color by 10%, you get **34.1630, 0.3416, 0.5550**, and if you desaturate by 10%, it is **35.5541, 0.3446, 0.5133**.

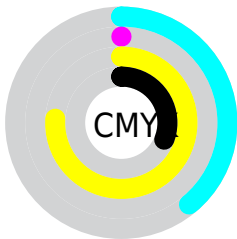
Distribution



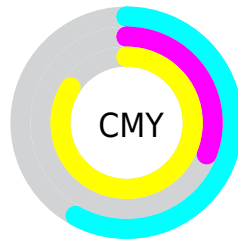
- Red (42%)
- Green (69%)
- Blue (16%)



- Red (16%)
- Yellow (69%)
- Blue (44%)



- Cyan (39%)
- Magenta (0%)
- Yellow (76%)
- Black (31%)




- Cyan (58%)
- Magenta (31%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.7996, 0.3442, 0.5366 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 34.7996, 0.3442, 0.5366 by changing the saturation by 10% instead.


 34.7996, 0.3442,
0.5366


 34.7996, 0.3442,
0.5366


323.6829, 0.3362,
0.4237


 23.5085, 0.3420,
0.5657


 67.1752, 0.3440,
0.4943


 14.9695, 0.3360,
0.6022


 89.0285, 0.3431,
0.4787


 8.7980, 0.3260,
0.6557


 115.1714, 0.3419,
0.4657

 4.6096, 0.2936,
0.7064

 145.9882, 0.3407,
0.4546

 2.0201, 0.2248,
0.7752

 181.8634, 0.3395,
0.4452

 0.6191, 0.0000,
1.0000

 223.1813, 0.3383,

 0.0000, 0.0000,

0.4370

0.0000

270.3263, 0.3372,
0.4299

■ 34.7996, 0.3442,
0.5366

■ 34.7996, 0.3442,
0.5366

■ 34.1630, 0.3416,
0.5550

■ 35.5541, 0.3446,
0.5133

■ 33.6292, 0.3371,
0.5679

■ 36.4303, 0.3430,
0.4864

■ 33.4496, 0.3353,
0.5720

■ 37.4369, 0.3397,
0.4574

■ 38.5805, 0.3350,
0.4276

■ 39.8672, 0.3294,
0.3983

■ 41.3026, 0.3232,
0.3704

■ 42.8921, 0.3168,
0.3443

■ 44.6406, 0.3103,
0.3203

■ 46.5530, 0.3040,
0.2986

Harmonies

Analogous

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



34.7996, 0.4391, 0.4971



34.7996, 0.3442, 0.5366



34.7996, 0.2465, 0.4855

Triad

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



34.7996, 0.3442, 0.5366



34.7996, 0.1416, 0.1920



34.7996, 0.4656, 0.2807

Complementary

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



34.7996, 0.3442, 0.5366



8.2120, 0.2325, 0.1246

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.



34.7996, 0.3555, 0.2227



34.7996, 0.3442, 0.5366



34.7996, 0.1770, 0.1734

Square

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



34.7996, 0.3442, 0.5366



34.7996, 0.1391, 0.2509



34.7996, 0.2489, 0.1850



34.7996, 0.5242, 0.3493

Rectangle

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



34.7996, 0.3442, 0.5366



34.7996, 0.1930, 0.4042



34.7996, 0.2489, 0.1850



34.7996, 0.4320, 0.2598

Sweetspot

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



34.8011, 0.3442, 0.5366



72.1065, 0.3276, 0.3901



20.5602, 0.4861, 0.4152



15.4378, 0.3298, 0.4002



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.



34.8011, 0.3442, 0.5366



60.4646, 0.3385, 0.5649



32.1068, 0.3016, 0.5664



9.6871, 0.3187, 0.3520



24.2690, 0.3361, 0.5714



0.7984, 0.3583, 0.5537

Inverse Universe

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



8.2120, 0.2325, 0.1246



10.5895, 0.2118, 0.0972



14.1785, 0.3202, 0.1688



8.4366, 0.3062, 0.3060



3.9294, 0.2060, 0.0908



0.1582, 0.2370, 0.1079

Previews

White Background



This preview shows how the Yxy color 34.7996, 0.3442, 0.5366 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 34.7996, 0.3442, 0.5366 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

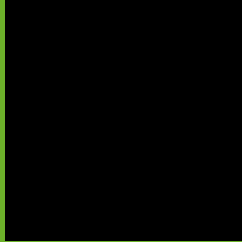
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.7996, 0.3442, 0.5366

Background



This preview shows how black text looks on a background with the Yxy color 34.7996, 0.3442, 0.5366.



This preview shows how white text looks on a background with the Yxy color 34.7996, 0.3442, 0.5366.

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

34.7996, 0.3442, 0.5366

Protanopia

34.3948, 0.4304, 0.4761

Deuteranopia

34.3960, 0.4513, 0.4435



Tritanopia

34.6366, 0.2698, 0.3090

Trichromacy



Original Color

34.7996, 0.3442, 0.5366

Protanomaly

34.1912, 0.3967, 0.4997

Deuteranomaly

33.3627, 0.4101, 0.4777

Tritanomaly

33.9540, 0.3018, 0.3957

Monochromacy



Original Color

34.7996, 0.3442, 0.5366

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

28.7983, 0.3325, 0.4134

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.7996, 0.3442, 0.5366 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, 177, 42)` looks like.

```
.text, #text, p{  
    color:rgb(108, 177, 42)  
}
```

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, 177, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 177, 42) }
```

Border

The CSS property to change the border of an element to Yxy 34.7996, 0.3442, 0.5366 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, 177, 42) }
```

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

```
.border{ border-color:rgb(108, 177, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 177, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 177, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 177, 42);  
box-shadow:4px 4px 4px 4px rgb(108, 177,  
42) }
```


Background

The CSS property to change the background color of an element to Yxy 34.7996, 0.3442, 0.5366 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 177, 42) }
```

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

```
.background{ background-color: rgb(108,  
177, 42) }
```

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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