

Converting Colors

$Yxy(34.6599, 0.3366, 0.4999)$

Have a look what the booklet for
Yxy(34.6599, 0.3366, 0.4999)
contains.

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Color

Yxy(34.6795, 0.3372, 0.5003)

Conversions

Conversions Part 1

Format	Color
Hex	72AF46
RGB	114, 175, 70
RGB Percent	45%, 69%, 27%
CMY	0.5530, 0.3137, 0.7253
CMYK	0.35, 0.00, 0.60, 0.31
HSL	95°, 43%, 48%
HSV	95°, 60%, 69%
XYZ	23.3738, 34.6795, 11.2641
YIQ	144.7910, -2.6510, -45.5870

Conversions

Conversions Part 2

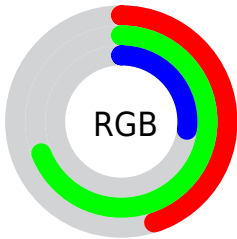
Format	Color
RYB	70, 175, 131
Decimal	7515974
CIELab	65.50, -38.03, 46.63
CIELCh	65, 60.169, 129.201
Yxy	34.6795, 0.3372, 0.5003
Android (android.graphics.Color)	4285706054 (0xFF72AF46)
YUV	144.7910, -36.8720, -27.0037
Hunter-Lab	58.8893, -32.2076, 29.8818

Details

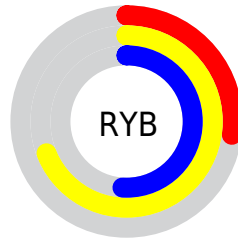
The Yxy color **34.6795, 0.3372, 0.5003** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **12.3137, 0.2625, 0.1674**, and the grayscale version is **28.3800, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.9920, 0.3359, 0.4645**, and **14.9142, 0.3339, 0.5589** is the 20% darker color. If you saturate the color by 10%, you get **33.8464, 0.3372, 0.5272**, and if you desaturate by 10%, it is **35.6560, 0.3355, 0.4708**.

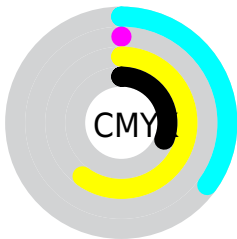
Distribution



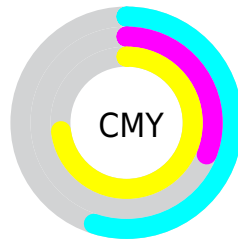
- Red (45%)
- Green (69%)
- Blue (27%)



- Red (27%)
- Yellow (69%)
- Blue (51%)



- Cyan (35%)
- Magenta (0%)
- Yellow (60%)
- Black (31%)





- Cyan (55%)
- Magenta (31%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.6795, 0.3372, 0.5003 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 34.6795, 0.3372, 0.5003 by changing the saturation by 10% instead.


 34.6795, 0.3372,
0.5003


 34.6795, 0.3372,
0.5003


323.1514, 0.3295,
0.4062


 23.4161, 0.3366,
0.5258


 66.9890, 0.3360,
0.4644

 14.9011, 0.3339,
0.5590


 88.8038, 0.3350,
0.4514


 8.7500, 0.3263,
0.6033


 114.9046, 0.3340,
0.4406

 4.5785, 0.3169,
0.6831

 145.6757, 0.3330,
0.4315

 2.0021, 0.2597,
0.7403

 181.5016, 0.3320,
0.4238

 0.6087, 0.0000,
1.0000

222.7665, 0.3311,

 0.0000, 0.0000,

0.4171

0.0000

269.8550, 0.3303,
0.4113

■ 34.6795, 0.3372,
0.5003

■ 34.6795, 0.3372,
0.5003

■ 33.8464, 0.3372,
0.5272

■ 35.6560, 0.3355,
0.4708

■ 33.1438, 0.3353,
0.5498

■ 36.7787, 0.3323,
0.4401

■ 32.5640, 0.3315,
0.5669

■ 38.0561, 0.3281,
0.4098

■ 32.0895, 0.3265,
0.5789

■ 39.4944, 0.3233,
0.3808

■ 32.0883, 0.3265,
0.5789

■ 41.0997, 0.3180,
0.3537

■ 42.8775, 0.3127,
0.3289

■ 44.8332, 0.3074,
0.3065

■ 46.9719, 0.3023,
0.2864

■ 49.2984, 0.2974,
0.2685

Harmonies

Analogous

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



34.6795, 0.4196, 0.4798



34.6795, 0.3372, 0.5003



34.6795, 0.2529, 0.4490

Triad

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



34.6795, 0.3372, 0.5003



34.6795, 0.1648, 0.2093



34.6795, 0.4468, 0.2942

Complementary

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



34.6795, 0.3372, 0.5003



12.3137, 0.2625, 0.1674

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.



34.6795, 0.3577, 0.2410



34.6795, 0.3372, 0.5003



34.6795, 0.1995, 0.1936

Square

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



34.6795, 0.3372, 0.5003



34.6795, 0.1609, 0.2595



34.6795, 0.2659, 0.2055



34.6795, 0.4927, 0.3567

Rectangle

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



34.6795, 0.3372, 0.5003



34.6795, 0.2072, 0.3831



34.6795, 0.2659, 0.2055



34.6795, 0.4201, 0.2751

Sweetspot

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



34.6810, 0.3372, 0.5003



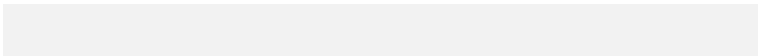
71.1843, 0.3224, 0.3762



25.3968, 0.4350, 0.4136



15.6477, 0.3239, 0.3842



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.



34.6810, 0.3372, 0.5003



60.1761, 0.3368, 0.5351



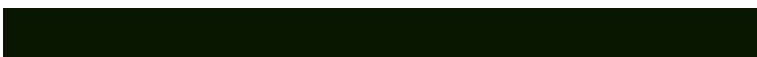
32.5028, 0.3000, 0.5079



9.0970, 0.3177, 0.3520



23.0123, 0.3273, 0.5783



0.6728, 0.3530, 0.5579

Inverse Universe

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



12.3137, 0.2625, 0.1674



16.4853, 0.2477, 0.1367



16.3288, 0.3284, 0.1990



7.9785, 0.3073, 0.3062



4.2661, 0.2206, 0.0989



0.1499, 0.2512, 0.1157

Previews

White Background



This preview shows how the Yxy color 34.6795, 0.3372, 0.5003 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 34.6795, 0.3372, 0.5003 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 34.6795, 0.3372, 0.5003

Background



This preview shows how black text looks on a background with the Yxy color 34.6795, 0.3372, 0.5003.



This preview shows how white text looks on a background with the Yxy color 34.6795, 0.3372, 0.5003.

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

34.6795, 0.3372, 0.5003

Protanopia

34.4080, 0.4131, 0.4548

Deuteranopia

34.2711, 0.4311, 0.4232



Tritanopia

34.4711, 0.2727, 0.3091

Trichromacy



Original Color

34.6795, 0.3372, 0.5003

Protanomaly

34.0878, 0.3827, 0.4726

Deuteranomaly

33.7430, 0.3953, 0.4516

Tritanomaly

34.1253, 0.2981, 0.3782

Monochromacy



Original Color

34.6795, 0.3372, 0.5003

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

30.1533, 0.3255, 0.3927

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.6795, 0.3372, 0.5003 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(114, 175, 70)` looks like.

```
.text, #text, p{  
    color:rgb(114, 175, 70)  
}
```

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(114, 175, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 175, 70) }
```

Border

The CSS property to change the border of an element to Yxy 34.6795, 0.3372, 0.5003 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(114, 175, 70) }
```

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

```
.border{ border-color:rgb(114, 175, 70) }
```

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

Here you see how a box with a 4 pixel rgb(114, 175, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 175, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 175, 70);  
box-shadow:4px 4px 4px 4px rgb(114, 175,  
70) }
```


Background

The CSS property to change the background color of an element to Yxy 34.6795, 0.3372, 0.5003 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 175, 70) }
```

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

```
.background{ background-color: rgb(114,  
175, 70) }
```

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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