

Converting Colors

$Y_{xy}(34.8213, 0.3503, 0.4975)$

Have a look what the booklet for
Yxy(34.8213, 0.3503, 0.4975)
contains.

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Color

Yxy(34.6405, 0.3505, 0.4978)

Conversions

Conversions Part 1

Format	Color
Hex	7DAD42
RGB	125, 173, 66
RGB Percent	49%, 68%, 26%
CMY	0.5096, 0.3216, 0.7411
CMYK	0.28, 0.00, 0.62, 0.32
HSL	87°, 45%, 47%
HSV	87°, 62%, 68%
XYZ	24.3903, 34.6405, 10.5564
YIQ	146.4500, 5.7390, -43.4530

Conversions

Conversions Part 2

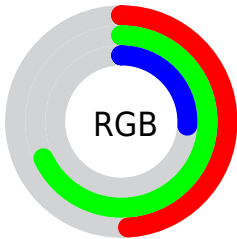
Format	Color
RYB	66, 173, 114
Decimal	8236354
CIELab	65.47, -33.42, 48.58
CIELCh	65, 58.968, 124.525
Yxy	34.6405, 0.3505, 0.4978
Android (android.graphics.Color)	4286426434 (0xFF7DAD42)
YUV	146.4500, -39.6618, -18.8116
Hunter-Lab	58.8562, -29.0270, 30.5651

Details

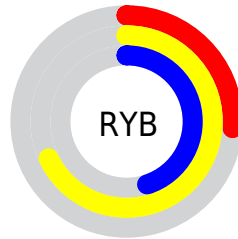
The Yxy color **34.6405, 0.3505, 0.4978** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **10.4889, 0.2429, 0.1552**, and the grayscale version is **29.1089, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.0499, 0.3465, 0.4637**, and **14.8260, 0.3515, 0.5528** is the 20% darker color. If you saturate the color by 10%, you get **33.9067, 0.3519, 0.5217**, and if you desaturate by 10%, it is **35.4846, 0.3471, 0.4709**.

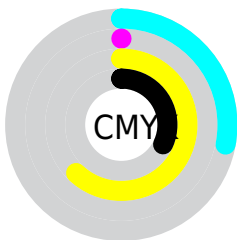
Distribution



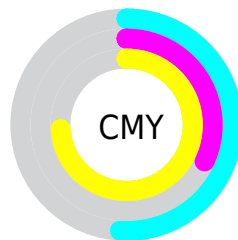
- Red (49%)
- Green (68%)
- Blue (26%)



- Red (26%)
- Yellow (68%)
- Blue (45%)



- Cyan (28%)
- Magenta (0%)
- Yellow (62%)
- Black (32%)




- Cyan (51%)
- Magenta (32%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.6405, 0.3505, 0.4978 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 34.6405, 0.3505, 0.4978 by changing the saturation by 10% instead.


 34.6405, 0.3505,
0.4978


 34.6405, 0.3505,
0.4978


322.9787, 0.3359,
0.4061


 23.3861, 0.3516,
0.5221


 66.9285, 0.3468,
0.4632

 14.8788, 0.3510,
0.5533


 88.7308, 0.3449,
0.4505


 8.7344, 0.3460,
0.5942


 114.8179, 0.3431,
0.4399

 4.5683, 0.3381,
0.6619

 145.5742, 0.3414,
0.4310

 1.9963, 0.2891,
0.7109

 181.3840, 0.3398,
0.4234

 0.6053, 0.0000,
1.0000

222.6317, 0.3384,

 0.0000, 0.0000,

0.4168

0.0000

269.7018, 0.3371,
0.4111

■ 34.6405, 0.3505,
0.4978

■ 34.6405, 0.3505,
0.4978

■ 33.9067, 0.3519,
0.5217

■ 35.4846, 0.3471,
0.4709

■ 33.2718, 0.3510,
0.5414

■ 36.4405, 0.3421,
0.4423

■ 32.7295, 0.3479,
0.5560

■ 37.5152, 0.3359,
0.4134

■ 32.3428, 0.3442,
0.5649

■ 38.7138, 0.3289,
0.3852

■ 40.0410, 0.3215,
0.3584

■ 41.5012, 0.3141,
0.3334

■ 43.0987, 0.3068,
0.3104

■ 44.8375, 0.2997,
0.2896

■ 46.7213, 0.2930,
0.2708

Harmonies

Analogous

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



34.6405, 0.4293, 0.4701



34.6405, 0.3505, 0.4978



34.6405, 0.2663, 0.4588

Triad

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



34.6405, 0.3505, 0.4978



34.6405, 0.1645, 0.2167



34.6405, 0.4325, 0.2860

Complementary

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



34.6405, 0.3505, 0.4978



10.4889, 0.2429, 0.1552

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.



34.6405, 0.3421, 0.2357



34.6405, 0.3505, 0.4978



34.6405, 0.1940, 0.1962

Square

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



34.6405, 0.3505, 0.4978



34.6405, 0.1655, 0.2722



34.6405, 0.2546, 0.2040



34.6405, 0.4862, 0.3467

Rectangle

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



34.6405, 0.3505, 0.4978



34.6405, 0.2186, 0.3981



34.6405, 0.2546, 0.2040



34.6405, 0.4045, 0.2677

Sweetspot

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



34.6420, 0.3505, 0.4978



69.9152, 0.3271, 0.3783



20.9473, 0.4544, 0.3958



15.0565, 0.3291, 0.3859



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



34.6420, 0.3505, 0.4978



60.3183, 0.3518, 0.5291



31.7002, 0.3079, 0.5225



9.1490, 0.3196, 0.3519



23.7969, 0.3450, 0.5643



0.6939, 0.3674, 0.5465

Inverse Universe

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



10.4889, 0.2429, 0.1552



13.4313, 0.2239, 0.1219



15.0067, 0.3098, 0.1846



7.9263, 0.3053, 0.3060



3.4247, 0.1942, 0.0844



0.1280, 0.2302, 0.1042

Previews

White Background



This preview shows how the Yxy color 34.6405, 0.3505, 0.4978 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 34.6405, 0.3505, 0.4978 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 34.6405, 0.3505, 0.4978

Background



This preview shows how black text looks on a background with the Yxy color 34.6405, 0.3505, 0.4978.



This preview shows how white text looks on a background with the Yxy color 34.6405, 0.3505, 0.4978.

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

34.6405, 0.3505, 0.4978

Protanopia

34.4912, 0.4162, 0.4571

Deuteranopia

34.3500, 0.4354, 0.4269



Tritanopia

34.5113, 0.2822, 0.3094

Trichromacy



Original Color

34.6405, 0.3505, 0.4978

Protanomaly

34.1789, 0.3913, 0.4730

Deuteranomaly

33.7845, 0.4033, 0.4529

Tritanomaly

34.1726, 0.3104, 0.3788

Monochromacy



Original Color

34.6405, 0.3505, 0.4978

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

30.4646, 0.3305, 0.3936

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.6405, 0.3505, 0.4978 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(125, 173, 66)` looks like.

```
.text, #text, p{  
    color:rgb(125, 173, 66)  
}
```

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(125, 173, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 173, 66) }
```

Border

The CSS property to change the border of an element to Yxy 34.6405, 0.3505, 0.4978 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(125, 173, 66) }
```

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

```
.border{ border-color:rgb(125, 173, 66) }
```

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

Here you see how a box with a 4 pixel rgb(125, 173, 66) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 173, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 173, 66);  
box-shadow:4px 4px 4px 4px rgb(125, 173,  
66) }
```


Background

The CSS property to change the background color of an element to Yxy 34.6405, 0.3505, 0.4978 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 173, 66) }
```

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

```
.background{ background-color: rgb(125,  
173, 66) }
```

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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