

Converting Colors

$Y_{xy}(34.5596, 0.3554, 0.4818)$

Have a look what the booklet for
Yxy(34.5596, 0.3554, 0.4818)
contains.

Yxy(34.6752, 0.3559, 0.4821)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(34.6752, 0.3559, 0.4821)

Conversions

Conversions Part 1

Format	Color
Hex	86AB49
RGB	134, 171, 73
RGB Percent	53%, 67%, 29%
CMY	0.4745, 0.3294, 0.7136
CMYK	0.22, 0.00, 0.57, 0.33
HSL	83°, 40%, 48%
HSV	83°, 57%, 67%
XYZ	25.5982, 34.6752, 11.6519
YIQ	148.7650, 9.4060, -38.3220

Conversions

Conversions Part 2

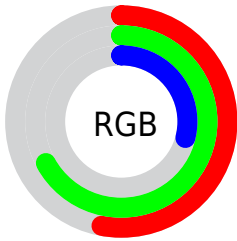
Format	Color
RYB	73, 171, 110
Decimal	8825673
CIELab	65.50, -28.38, 45.56
CIELCh	65, 53.671, 121.919
Yxy	34.6752, 0.3559, 0.4821
Android (android.graphics.Color)	4287015753 (0xFF86AB49)
YUV	148.7650, -37.3521, -12.9489
Hunter-Lab	58.8857, -25.4540, 29.4880

Details

The Yxy color **34.6752, 0.3559, 0.4821** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **11.0262, 0.2413, 0.1646**, and the grayscale version is **30.1101, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.6922, 0.3503, 0.4503**, and **14.9935, 0.3596, 0.5330** is the 20% darker color. If you saturate the color by 10%, you get **33.9656, 0.3593, 0.5062**, and if you desaturate by 10%, it is **35.4827, 0.3505, 0.4555**.

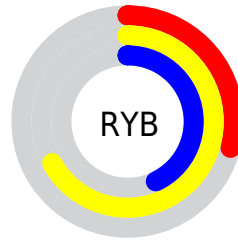
Distribution



Red (53%)

Green (67%)

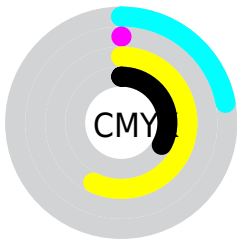
Blue (29%)



Red (29%)

Yellow (67%)

Blue (43%)

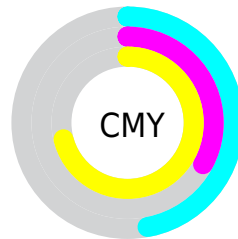


Cyan (22%)

Magenta (0%)

Yellow (57%)

Black (33%)



Cyan (47%)


Magenta (33%)


Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 34.6752, 0.3559, 0.4821 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 34.6752, 0.3559, 0.4821 by changing the saturation by 10% instead.


 34.6752, 0.3559,
0.4821


 34.6752, 0.3559,
0.4821


323.1324, 0.3375,
0.3993


 23.4128, 0.3585,
0.5040

 66.9823, 0.3504,
0.4509

 14.8986, 0.3602,
0.5323


 88.7958, 0.3480,
0.4395

 8.7483, 0.3590,
0.5694


 114.8950, 0.3457,
0.4299

 4.5773, 0.3615,
0.6385

 145.6645, 0.3437,
0.4219

 2.0015, 0.3199,
0.6801

 181.4886, 0.3419,
0.4150

 0.6083, 0.0000,
1.0000

222.7517, 0.3403,

 0.0000, 0.0000,

0.4091

0.0000

269.8381, 0.3388,
0.4039

■ 34.6752, 0.3559,
0.4821

■ 34.6752, 0.3559,
0.4821

■ 33.9656, 0.3593,
0.5062

■ 35.4827, 0.3505,
0.4555

■ 33.3433, 0.3605,
0.5267

■ 36.3886, 0.3437,
0.4276

■ 32.8034, 0.3594,
0.5425

■ 37.3993, 0.3359,
0.3997

■ 32.3358, 0.3560,
0.5536

■ 38.5192, 0.3275,
0.3725

■ 32.2169, 0.3550,
0.5563

■ 39.7523, 0.3189,
0.3467

■ 41.1025, 0.3104,
0.3227

■ 42.5735, 0.3022,
0.3006

■ 44.1687, 0.2943,
0.2805

■ 45.8916, 0.2869,
0.2624

Harmonies

Analogous

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



34.6752, 0.4267, 0.4559



34.6752, 0.3559, 0.4821



34.6752, 0.2777, 0.4512

Triad

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



34.6752, 0.3559, 0.4821



34.6752, 0.1742, 0.2292



34.6752, 0.4155, 0.2854

Complementary

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



34.6752, 0.3559, 0.4821



11.0262, 0.2413, 0.1646

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.



34.6752, 0.3325, 0.2394



34.6752, 0.3559, 0.4821



34.6752, 0.1995, 0.2067

Square

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



34.6752, 0.3559, 0.4821



34.6752, 0.1781, 0.2843



34.6752, 0.2538, 0.2115



34.6752, 0.4687, 0.3420

Rectangle

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



34.6752, 0.3559, 0.4821



34.6752, 0.2321, 0.3994



34.6752, 0.2538, 0.2115



34.6752, 0.3894, 0.2685

Sweetspot

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



34.6767, 0.3559, 0.4821



68.9823, 0.3275, 0.3725



20.0669, 0.4471, 0.3824



15.2933, 0.3292, 0.3777



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.



34.6767, 0.3559, 0.4821



60.4867, 0.3599, 0.5127



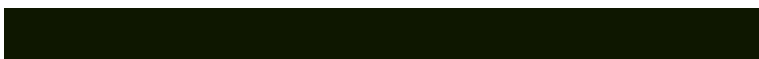
31.5909, 0.3134, 0.5048



9.1768, 0.3207, 0.3518



24.3170, 0.3556, 0.5558



0.7064, 0.3754, 0.5402

Inverse Universe

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



11.0262, 0.2413, 0.1646



13.9743, 0.2212, 0.1289



14.9724, 0.3017, 0.1896



7.8991, 0.3042, 0.3060



3.0810, 0.1825, 0.0779



0.1176, 0.2194, 0.0982

Previews

White Background



This preview shows how the Yxy color 34.6752, 0.3559, 0.4821 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 34.6752, 0.3559, 0.4821 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 34.6752, 0.3559, 0.4821

Background



This preview shows how black text looks on a background with the Yxy color 34.6752, 0.3559, 0.4821.



This preview shows how white text looks on a background with the Yxy color 34.6752, 0.3559, 0.4821.

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

34.6752, 0.3559, 0.4821

Protanopia

34.4561, 0.4104, 0.4506

Deuteranopia

34.2998, 0.4295, 0.4211



Tritanopia

34.7099, 0.2897, 0.3111

Trichromacy



Original Color

34.6752, 0.3559, 0.4821

Protanomaly

34.2136, 0.3906, 0.4624

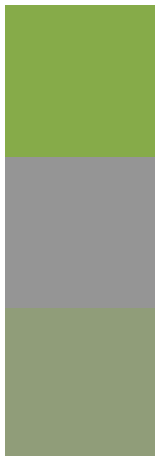
Deuteranomaly

33.8738, 0.4020, 0.4422

Tritanomaly

34.4672, 0.3153, 0.3731

Monochromacy



Original Color

34.6752, 0.3559, 0.4821

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

31.4237, 0.3328, 0.3872

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.6752, 0.3559, 0.4821 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(134, 171, 73)` looks like.

```
.text, #text, p{  
    color:rgb(134, 171, 73)  
}
```

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(134, 171, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 171, 73) }
```

Border

The CSS property to change the border of an element to Yxy 34.6752, 0.3559, 0.4821 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(134, 171, 73) }
```

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

```
.border{ border-color:rgb(134, 171, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 171, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 171, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 171, 73);  
box-shadow:4px 4px 4px 4px rgb(134, 171,  
73) }
```


Background

The CSS property to change the background color of an element to Yxy 34.6752, 0.3559, 0.4821 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 171, 73) }
```

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

```
.background{ background-color: rgb(134,  
171, 73) }
```

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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