

Converting Colors

$Y_{xy}(33.7785, 0.3507, 0.5402)$

Have a look what the booklet for
Yxy(33.7785, 0.3507, 0.5402)
contains.

Yxy(33.6969, 0.3504, 0.5406)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(33.6969, 0.3504, 0.5406)

Conversions

Conversions Part 1

Format	Color
Hex	6EAE21
RGB	110, 174, 33
RGB Percent	43%, 68%, 13%
CMY	0.5686, 0.3176, 0.8704
CMYK	0.37, 0.00, 0.81, 0.32
HSL	87°, 68%, 41%
HSV	87°, 81%, 68%
XYZ	21.8413, 33.6969, 6.7942
YIQ	138.7900, 7.1170, -57.4190

Conversions

Conversions Part 2

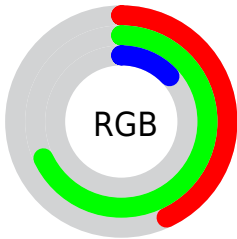
Format	Color
RYB	33, 174, 97
Decimal	7253537
CIELab	64.72, -41.68, 59.85
CIELCh	65, 72.932, 124.856
Yxy	33.6969, 0.3504, 0.5406
Android (android.graphics.Color)	4285443617 (0xFF6EAE21)
YUV	138.7900, -52.1545, -25.2488
Hunter-Lab	58.0490, -34.4242, 33.6948

Details

The Yxy color **33.6969, 0.3504, 0.5406** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **6.6898, 0.2170, 0.1107**, and the grayscale version is **25.9383, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.4560, 0.3492, 0.4978**, and **14.4316, 0.3311, 0.5753** is the 20% darker color. If you saturate the color by 10%, you get **33.1403, 0.3474, 0.5557**, and if you desaturate by 10%, it is **34.3520, 0.3512, 0.5204**.

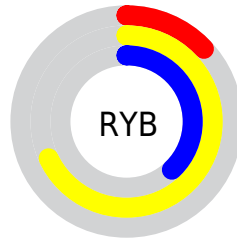
Distribution



Red (43%)

Green (68%)

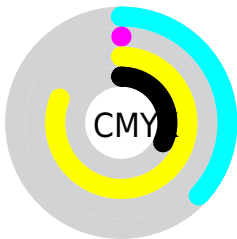
Blue (13%)



Red (13%)

Yellow (68%)

Blue (38%)

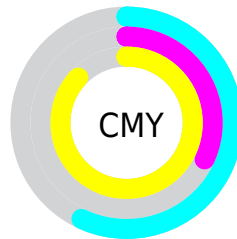


Cyan (37%)

Magenta (0%)

Yellow (81%)

Black (32%)



Cyan (57%)


Magenta (32%)


Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.6969, 0.3504, 0.5406 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 33.6969, 0.3504, 0.5406 by changing the saturation by 10% instead.

 33.6969, 0.3504,
0.5406


 33.6969, 0.3504,
0.5406


318.7784, 0.3398,
0.4258


 22.6608, 0.3484,
0.5697


 65.4620, 0.3496,
0.4978


 14.3433, 0.3422,
0.6059


 86.9599, 0.3482,
0.4820

 8.3598, 0.3350,
0.6649


 112.7139, 0.3468,
0.4687

 4.3260, 0.2965,
0.7035

 143.1083, 0.3452,
0.4574

 1.8576, 0.2225,
0.7775

 178.5276, 0.3438,
0.4478

 0.5227, 0.0000,
1.0000

 219.3561, 0.3423,

 0.0000, 0.0000,

0.4395

0.0000

265.9782, 0.3410,
0.4322

■ 33.6969, 0.3504,
0.5406

■ 33.6969, 0.3504,
0.5406

■ 33.1403, 0.3474,
0.5557

■ 34.3520, 0.3512,
0.5204

■ 32.7062, 0.3434,
0.5656

■ 35.1093, 0.3497,
0.4961

■ 35.9769, 0.3463,
0.4688

■ 36.9611, 0.3412,
0.4401

■ 38.0673, 0.3350,
0.4112

■ 39.3009, 0.3281,
0.3830

■ 40.6665, 0.3208,
0.3563

■ 42.1687, 0.3135,
0.3314

■ 43.8118, 0.3062,
0.3086

Harmonies

Analogous

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



33.6969, 0.4460, 0.4952



33.6969, 0.3504, 0.5406



33.6969, 0.2507, 0.4958

Triad

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



33.6969, 0.3504, 0.5406



33.6969, 0.1380, 0.1920



33.6969, 0.4626, 0.2755

Complementary

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



33.6969, 0.3504, 0.5406



6.6898, 0.2170, 0.1107

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.



33.6969, 0.3487, 0.2178



33.6969, 0.3504, 0.5406



33.6969, 0.1715, 0.1712

Square

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



33.6969, 0.3504, 0.5406



33.6969, 0.1373, 0.2545



33.6969, 0.2418, 0.1812



33.6969, 0.5268, 0.3443

Rectangle

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



33.6969, 0.3504, 0.5406



33.6969, 0.1951, 0.4144



33.6969, 0.2418, 0.1812



33.6969, 0.4273, 0.2546

Sweetspot

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



33.6984, 0.3504, 0.5406



70.4951, 0.3305, 0.3925



17.5614, 0.5084, 0.4066



15.4946, 0.3329, 0.4024



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.



33.6984, 0.3504, 0.5406



59.4374, 0.3437, 0.5637



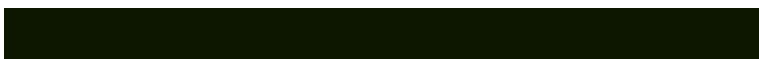
30.8363, 0.3036, 0.5746



9.1467, 0.3196, 0.3519



23.7567, 0.3441, 0.5650



0.6928, 0.3667, 0.5470

Inverse Universe

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



6.6898, 0.2170, 0.1107



8.8022, 0.1957, 0.0863



12.3566, 0.3106, 0.1592



7.9286, 0.3054, 0.3061



3.4567, 0.1953, 0.0849



0.1289, 0.2311, 0.1047

Previews

White Background



This preview shows how the Yxy color 33.6969, 0.3504, 0.5406 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 33.6969, 0.3504, 0.5406 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

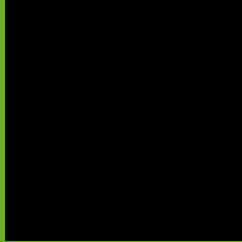
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.6969, 0.3504, 0.5406

Background



This preview shows how black text looks on a background with the Yxy color 33.6969, 0.3504, 0.5406.



This preview shows how white text looks on a background with the Yxy color 33.6969, 0.3504, 0.5406.

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

33.6969, 0.3504, 0.5406

Protanopia

33.4279, 0.4337, 0.4806

Deuteranopia

33.1128, 0.4565, 0.4465



Tritanopia

33.5250, 0.2723, 0.3088

Trichromacy



Original Color

33.6969, 0.3504, 0.5406

Protanomaly

32.9635, 0.4015, 0.5036

Deuteranomaly

32.2734, 0.4169, 0.4810

Tritanomaly

32.7674, 0.3075, 0.4015

Monochromacy



Original Color

33.6969, 0.3504, 0.5406

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

27.9658, 0.3364, 0.4195

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.6969, 0.3504, 0.5406 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(110, 174, 33)` looks like.

```
.text, #text, p{  
    color:rgb(110, 174, 33)  
}
```

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(110, 174, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 174, 33) }
```

Border

The CSS property to change the border of an element to Yxy 33.6969, 0.3504, 0.5406 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(110, 174, 33) }
```

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

```
.border{ border-color:rgb(110, 174, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 174, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 174, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 174, 33);  
box-shadow:4px 4px 4px 4px rgb(110, 174,  
33) }
```


Background

The CSS property to change the background color of an element to Yxy 33.6969, 0.3504, 0.5406 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 174, 33) }
```

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

```
.background{ background-color: rgb(110,  
174, 33) }
```

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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