

Converting Colors

$Y_{xy}(37.2712, 0.3497, 0.5198)$

Have a look what the booklet for
Yxy(37.2712, 0.3497, 0.5198)
contains.

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Color

Yxy(37.4517, 0.3499, 0.5197)

Conversions

Conversions Part 1

Format	Color
Hex	7AB536
RGB	122, 181, 54
RGB Percent	48%, 71%, 21%
CMY	0.5216, 0.2902, 0.7880
CMYK	0.33, 0.00, 0.70, 0.29
HSL	88°, 54%, 46%
HSV	88°, 70%, 71%
XYZ	25.2152, 37.4517, 9.3972
YIQ	148.8810, 5.6030, -52.0050

Conversions

Conversions Part 2

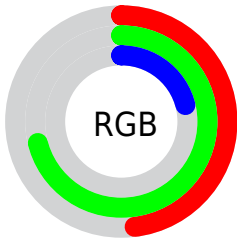
Format	Color
RYB	54, 181, 113
Decimal	8041782
CIELab	67.61, -39.13, 55.78
CIELCh	68, 68.136, 125.052
Yxy	37.4517, 0.3499, 0.5197
Android (android.graphics.Color)	4286231862 (0xFF7AB536)
YUV	148.8810, -46.7763, -23.5746
Hunter-Lab	61.1978, -33.5491, 33.7342

Details

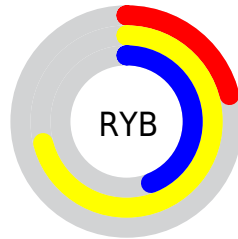
The Yxy color **37.4517, 0.3499, 0.5197** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **9.4969, 0.2333, 0.1344**, and the grayscale version is **30.2030, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.1161, 0.3477, 0.4816**, and **16.6316, 0.3419, 0.5667** is the 20% darker color. If you saturate the color by 10%, you get **36.7257, 0.3491, 0.5404**, and if you desaturate by 10%, it is **38.2975, 0.3484, 0.4948**.

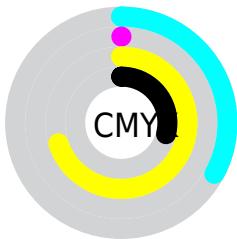
Distribution



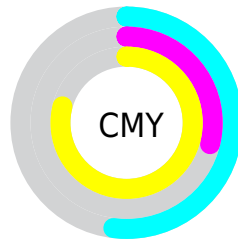
- Red (48%)
- Green (71%)
- Blue (21%)



- Red (21%)
- Yellow (71%)
- Blue (44%)



- Cyan (33%)
- Magenta (0%)
- Yellow (70%)
- Black (29%)





- Cyan (52%)
- Magenta (29%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.4517, 0.3499, 0.5197 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 37.4517, 0.3499, 0.5197 by changing the saturation by 10% instead.


 37.4517, 0.3499,
0.5197


 37.4517, 0.3499,
0.5197


335.2620, 0.3377,
0.4174


 25.5574, 0.3495,
0.5458


 71.2670, 0.3477,
0.4817


 16.4928, 0.3465,
0.5787


 93.9567, 0.3462,
0.4676


 9.8736, 0.3386,
0.6215


 121.0138, 0.3446,
0.4557

 5.3152, 0.3206,
0.6794

 152.8225, 0.3430,
0.4457

 2.4334, 0.2699,
0.7301

 189.7673, 0.3416,
0.4371

 0.8430, 0.0000,
1.0000

 232.2325, 0.3402,

 0.0000, 0.0000,

0.4297

0.0000

280.6026, 0.3389,
0.4232

■ 37.4517, 0.3499,
0.5197

■ 37.4517, 0.3499,
0.5197

■ 36.7257, 0.3491,
0.5404

■ 38.2975, 0.3484,
0.4948

■ 36.1057, 0.3462,
0.5560

■ 39.2658, 0.3450,
0.4672

■ 35.5830, 0.3416,
0.5670

■ 40.3649, 0.3401,
0.4382

■ 41.6012, 0.3340,
0.4091

■ 42.9802, 0.3272,
0.3808

■ 44.5073, 0.3200,
0.3541

■ 46.1876, 0.3128,
0.3293

■ 48.0259, 0.3057,
0.3067

■ 50.0267, 0.2990,
0.2862

Harmonies

Analogous

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



37.4517, 0.4376, 0.4842



37.4517, 0.3499, 0.5197



37.4517, 0.2575, 0.4763

Triad

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



37.4517, 0.3499, 0.5197



37.4517, 0.1507, 0.2035



37.4517, 0.4488, 0.2814

Complementary

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



37.4517, 0.3499, 0.5197



9.4969, 0.2333, 0.1344

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.



37.4517, 0.3467, 0.2269



37.4517, 0.3499, 0.5197



37.4517, 0.1828, 0.1830

Square

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



37.4517, 0.3499, 0.5197



37.4517, 0.1506, 0.2623



37.4517, 0.2490, 0.1923



37.4517, 0.5074, 0.3467

Rectangle

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



37.4517, 0.3499, 0.5197



37.4517, 0.2058, 0.4050



37.4517, 0.2490, 0.1923



37.4517, 0.4173, 0.2616

Sweetspot

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



37.4533, 0.3499, 0.5197



76.6564, 0.3280, 0.3842



21.5011, 0.4777, 0.4039



16.4198, 0.3299, 0.3917



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



37.4533, 0.3499, 0.5197



65.1623, 0.3478, 0.5493



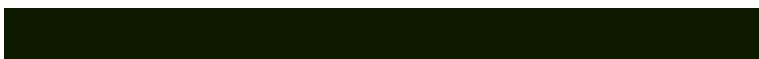
34.2904, 0.3054, 0.5488



9.7064, 0.3194, 0.3520



24.5702, 0.3425, 0.5663



0.8074, 0.3635, 0.5496

Inverse Universe

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



9.4969, 0.2333, 0.1344



12.0115, 0.2128, 0.1035



15.0551, 0.3116, 0.1720



8.4173, 0.3055, 0.3060



3.6447, 0.1971, 0.0860



0.1495, 0.2296, 0.1038

Previews

White Background



This preview shows how the Yxy color 37.4517, 0.3499, 0.5197 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 37.4517, 0.3499, 0.5197 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

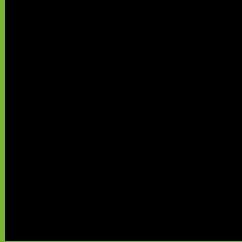
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.4517, 0.3499, 0.5197

Background



This preview shows how black text looks on a background with the Yxy color 37.4517, 0.3499, 0.5197.



This preview shows how white text looks on a background with the Yxy color 37.4517, 0.3499, 0.5197.

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

37.4517, 0.3499, 0.5197

Protanopia

36.9716, 0.4257, 0.4682

Deuteranopia

36.9732, 0.4459, 0.4375



Tritanopia

37.2838, 0.2761, 0.3084

Trichromacy



Original Color

37.4517, 0.3499, 0.5197

Protanomaly

36.5655, 0.3963, 0.4884

Deuteranomaly

36.2352, 0.4091, 0.4672

Tritanomaly

36.6513, 0.3074, 0.3877

Monochromacy



Original Color

37.4517, 0.3499, 0.5197

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

32.1936, 0.3330, 0.4056

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.4517, 0.3499, 0.5197 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(122, 181, 54)` looks like.

```
.text, #text, p{  
    color:rgb(122, 181, 54)  
}
```

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(122, 181, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 181, 54) }
```

Border

The CSS property to change the border of an element to Yxy 37.4517, 0.3499, 0.5197 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(122, 181, 54) }
```

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

```
.border{ border-color:rgb(122, 181, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 181, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(122, 181, 54); -webkit-box-shadow:4px 4px 4px 4px rgb(122, 181, 54); box-shadow:4px 4px 4px 4px rgb(122, 181, 54) }
```


Background

The CSS property to change the background color of an element to Yxy 37.4517, 0.3499, 0.5197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 181, 54) }
```

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

```
.background{ background-color: rgb(122,  
181, 54) }
```

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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