

Converting Colors

$Y_{xy}(37.6690, 0.3632, 0.5494)$

Have a look what the booklet for
Yxy(37.6690, 0.3632, 0.5494)
contains.

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Color

Yxy(37.6690, 0.3632, 0.5494)

Conversions

Conversions Part 1

Format	Color
Hex	7BB601
RGB	123, 182, 1
RGB Percent	48%, 71%, 0%
CMY	0.5177, 0.2863, 0.9953
CMYK	0.32, 0.00, 0.99, 0.29
HSL	80°, 99%, 36%
HSV	80°, 99%, 71%
XYZ	24.9024, 37.6690, 5.9925
YIQ	143.7250, 22.9370, -68.7990

Conversions

Conversions Part 2

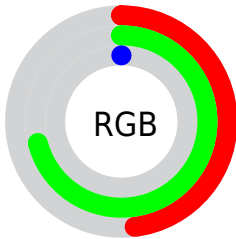
Format	Color
RYB	1, 182, 60
Decimal	8107521
CIELab	67.78, -41.16, 68.37
CIELCh	68, 79.801, 121.051
Yxy	37.6690, 0.3632, 0.5494
Android (android.graphics.Color)	4286297601 (0xFF7BB601)
YUV	143.7250, -70.3634, -18.1758
Hunter-Lab	61.3751, -34.9816, 37.1737

Details

The Yxy color **37.6690, 0.3632, 0.5494** is a dark color, and the websafe version is hex **99CC33**. A complement of this color would be **4.3710, 0.1744, 0.0738**, and the grayscale version is **28.0651, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.4024, 0.3614, 0.5082**, and **16.8588, 0.3402, 0.5681** is the 20% darker color. If you saturate the color by 10%, you get **37.6390, 0.3630, 0.5500**, and if you desaturate by 10%, it is **38.1679, 0.3663, 0.5399**.

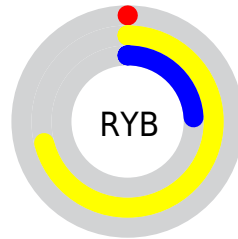
Distribution



Red (48%)

Green (71%)

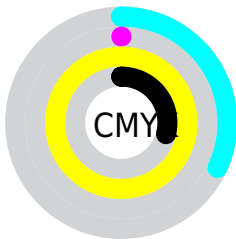
Blue (0%)



Red (0%)

Yellow (71%)

Blue (24%)

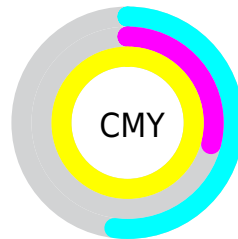


Cyan (32%)

Magenta (0%)

Yellow (99%)

Black (29%)



Cyan (52%)


Magenta (29%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.6690, 0.3632, 0.5494 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 37.6690, 0.3632, 0.5494 by changing the saturation by 10% instead.


 37.6690, 0.3632,
0.5494


 37.6690, 0.3632,
0.5494


336.1979, 0.3484,
0.4342

 25.7259, 0.3615,
0.5764


 71.6005, 0.3615,
0.5080


 16.6187, 0.3556,
0.6086


 94.3577, 0.3596,
0.4922


 9.9630, 0.3459,
0.6541


 121.4884, 0.3576,
0.4787

 5.3744, 0.3124,
0.6876

 153.3770, 0.3556,
0.4672

 2.4686, 0.2597,
0.7403

 190.4078, 0.3536,
0.4573

 0.8608, 0.0000,
1.0000

 232.9653, 0.3518,

 0.0000, 0.0000,

0.4486

0.0000

281.4339, 0.3500,
0.4410

■ 37.6690, 0.3632,
0.5494

■ 37.6690, 0.3632,
0.5494

■ 37.6390, 0.3630,
0.5500

■ 38.1679, 0.3663,
0.5399

■ 38.7354, 0.3673,
0.5261

■ 39.3876, 0.3659,
0.5076

■ 40.1324, 0.3621,
0.4851

■ 40.9765, 0.3562,
0.4597

■ 41.9259, 0.3487,
0.4327

■ 42.9859, 0.3402,
0.4051

■ 44.1617, 0.3310,
0.3780

■ 45.4577, 0.3215,
0.3519

Harmonies

Analogous

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



37.6690, 0.4610, 0.4910



37.6690, 0.3632, 0.5494



37.6690, 0.2589, 0.5190

Triad

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



37.6690, 0.3632, 0.5494



37.6690, 0.1294, 0.1912



37.6690, 0.4569, 0.2641

Complementary

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



37.6690, 0.3632, 0.5494



4.3710, 0.1744, 0.0738

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.



37.6690, 0.3343, 0.2069



37.6690, 0.3632, 0.5494



37.6690, 0.1594, 0.1657

Square

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



37.6690, 0.3632, 0.5494



37.6690, 0.1327, 0.2620



37.6690, 0.2267, 0.1725



37.6690, 0.5335, 0.3337

Rectangle

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



37.6690, 0.3632, 0.5494



37.6690, 0.1986, 0.4375



37.6690, 0.2267, 0.1725



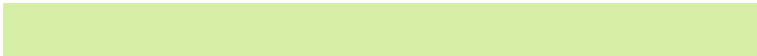
37.6690, 0.4179, 0.2431

Sweetspot

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



37.6707, 0.3632, 0.5494



77.6943, 0.3412, 0.4083



13.0208, 0.5901, 0.3688



16.9786, 0.3449, 0.4199



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



37.6707, 0.3632, 0.5494



68.1033, 0.3621, 0.5507



33.8060, 0.3062, 0.5946



10.3525, 0.3215, 0.3519



26.6164, 0.3636, 0.5495



0.9703, 0.3785, 0.5377

Inverse Universe

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



4.3710, 0.1744, 0.0738



7.7176, 0.1722, 0.0722



9.7799, 0.2753, 0.1293



8.8580, 0.3034, 0.3057



3.0828, 0.1748, 0.0736



0.1432, 0.2055, 0.0906

Previews

White Background



This preview shows how the Yxy color 37.6690, 0.3632, 0.5494 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 37.6690, 0.3632, 0.5494 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

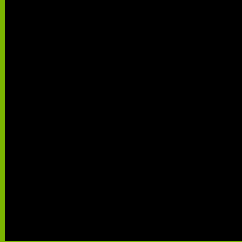
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.6690, 0.3632, 0.5494

Background



This preview shows how black text looks on a background with the Yxy color 37.6690, 0.3632, 0.5494.



This preview shows how white text looks on a background with the Yxy color 37.6690, 0.3632, 0.5494.

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

37.6690, 0.3632, 0.5494

Protanopia

37.3494, 0.4407, 0.4883

Deuteranopia

37.1637, 0.4633, 0.4540



Tritanopia

37.4576, 0.2777, 0.3085

Trichromacy



Original Color

37.6690, 0.3632, 0.5494

Protanomaly

36.9124, 0.4112, 0.5117

Deuteranomaly

36.2022, 0.4267, 0.4902

Tritanomaly

36.6248, 0.3231, 0.4199

Monochromacy



Original Color

37.6690, 0.3632, 0.5494

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

30.4607, 0.3498, 0.4383

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.6690, 0.3632, 0.5494 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(123, 182, 1)` looks like.

```
.text, #text, p{  
    color:rgb(123, 182, 1)  
}
```

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(123, 182, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 182, 1) }
```

Border

The CSS property to change the border of an element to Yxy 37.6690, 0.3632, 0.5494 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(123, 182, 1) }
```

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

```
.border{ border-color:rgb(123, 182, 1) }
```

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

Here you see how a box with a 4 pixel rgb(123, 182, 1) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 182, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 182, 1);  
box-shadow:4px 4px 4px 4px rgb(123, 182,  
1) }
```


Background

The CSS property to change the background color of an element to Yxy 37.6690, 0.3632, 0.5494 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 182, 1) }
```

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

```
.background{ background-color: rgb(123,  
182, 1) }
```

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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