

Converting Colors

$Yxy(37.4259, 0.3269, 0.4697)$

Have a look what the booklet for
Yxy(37.4259, 0.3269, 0.4697)
contains.

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Color

Yxy(37.4259, 0.3269, 0.4697)

Conversions

Conversions Part 1

Format	Color
Hex	78B45D
RGB	120, 180, 93
RGB Percent	47%, 71%, 36%
CMY	0.5292, 0.2941, 0.6353
CMYK	0.33, 0.00, 0.48, 0.29
HSL	101°, 37%, 54%
HSV	101°, 48%, 71%
XYZ	26.0475, 37.4259, 16.2070
YIQ	152.1420, -7.8330, -39.7770

Conversions

Conversions Part 2

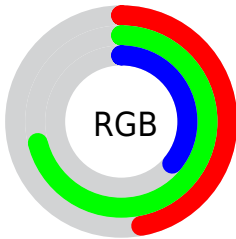
Format	Color
RYB	93, 180, 153
Decimal	7910493
CIELab	67.60, -35.55, 38.14
CIELCh	68, 52.138, 132.991
Yxy	37.4259, 0.3269, 0.4697
Android (android.graphics.Color)	4286100573 (0xFF78B45D)
YUV	152.1420, -29.1570, -28.1885
Hunter-Lab	61.1767, -31.0583, 27.1165

Details

The Yxy color **37.4259, 0.3269, 0.4697** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **17.8918, 0.2857, 0.2022**, and the grayscale version is **31.5997, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.1492, 0.3265, 0.4401**, and **16.5539, 0.3243, 0.5182** is the 20% darker color. If you saturate the color by 10%, you get **36.3146, 0.3275, 0.5012**, and if you desaturate by 10%, it is **38.7304, 0.3251, 0.4376**.

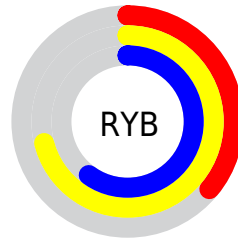
Distribution



Red (47%)

Green (71%)

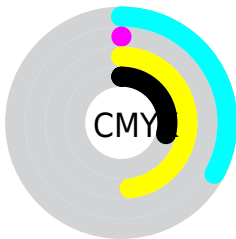
Blue (36%)



Red (36%)

Yellow (71%)

Blue (60%)

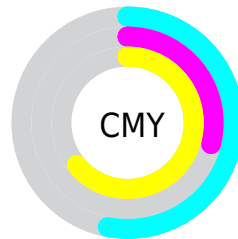


Cyan (33%)

Magenta (0%)

Yellow (48%)

Black (29%)



Cyan (53%)

Magenta (29%)


Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.4259, 0.3269, 0.4697 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 37.4259, 0.3269, 0.4697 by changing the saturation by 10% instead.

 37.4259, 0.3269,
0.4697


 37.4259, 0.3269,
0.4697


335.1508, 0.3228,
0.3930

 25.5374, 0.3265,
0.4907


 71.2273, 0.3263,
0.4404


 16.4779, 0.3249,
0.5185


 93.9091, 0.3258,
0.4298

 9.8630, 0.3205,
0.5567


 120.9574, 0.3253,
0.4210

 5.3082, 0.3106,
0.6131

 152.7566, 0.3247,
0.4136

 2.4292, 0.2899,
0.7101

189.6912, 0.3242,
0.4073

 0.8409, 0.0000,
1.0000

232.1454, 0.3237,

 0.0000, 0.0000,

0.4019

0.0000

280.5038, 0.3232,
0.3971

■ 37.4259, 0.3269,
0.4697

■ 37.4259, 0.3269,
0.4697

■ 36.3146, 0.3275,
0.5012

■ 38.7304, 0.3251,
0.4376

■ 35.3819, 0.3267,
0.5302

■ 40.2323, 0.3225,
0.4063

■ 34.6188, 0.3244,
0.5548


■ 41.9415, 0.3193,
0.3768

■ 34.0131, 0.3206,
0.5736

■ 43.8658, 0.3158,
0.3496

■ 33.5477, 0.3159,
0.5861


■ 46.0128, 0.3121,
0.3251

 33.4803, 0.3152,
0.5879

 48.3894, 0.3084,
0.3031

 51.0025, 0.3048,
0.2837

 53.8583, 0.3014,
0.2665

 56.9633, 0.2981,
0.2514

Harmonies

Analogous

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



37.4259, 0.3992, 0.4638



37.4259, 0.3269, 0.4697



37.4259, 0.2548, 0.4190

Triad

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



37.4259, 0.3269, 0.4697



37.4259, 0.1859, 0.2227



37.4259, 0.4336, 0.3071

Complementary

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



37.4259, 0.3269, 0.4697



17.8918, 0.2857, 0.2022

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.



37.4259, 0.3619, 0.2581



37.4259, 0.3269, 0.4697



37.4259, 0.2207, 0.2110

Square

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



37.4259, 0.3269, 0.4697



37.4259, 0.1793, 0.2639



37.4259, 0.2825, 0.2241



37.4259, 0.4673, 0.3635

Rectangle

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



37.4259, 0.3269, 0.4697



37.4259, 0.2167, 0.3641



37.4259, 0.2825, 0.2241



37.4259, 0.4126, 0.2896

Sweetspot

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



37.4275, 0.3269, 0.4697



77.4326, 0.3179, 0.3654



33.0952, 0.4000, 0.4124



16.5791, 0.3186, 0.3713



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.



37.4275, 0.3269, 0.4697



65.7278, 0.3275, 0.5032



36.0711, 0.2955, 0.4518



9.6140, 0.3161, 0.3522



23.4003, 0.3160, 0.5873



0.7680, 0.3391, 0.5690

Inverse Universe

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



17.8918, 0.2857, 0.2022



26.0559, 0.2775, 0.1756



20.2139, 0.3378, 0.2319



8.5116, 0.3090, 0.3062



5.3296, 0.2447, 0.1122



0.1969, 0.2668, 0.1243

Previews

White Background



This preview shows how the Yxy color 37.4259, 0.3269, 0.4697 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 37.4259, 0.3269, 0.4697 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

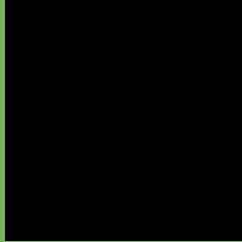
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.4259, 0.3269, 0.4697

Background



This preview shows how black text looks on a background with the Yxy color 37.4259, 0.3269, 0.4697.



This preview shows how white text looks on a background with the Yxy color 37.4259, 0.3269, 0.4697.

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

37.4259, 0.3269, 0.4697

Protanopia

37.0628, 0.3983, 0.4335

Deuteranopia

36.8199, 0.4122, 0.4027



Tritanopia

37.3192, 0.2731, 0.3097

Trichromacy



Original Color

37.4259, 0.3269, 0.4697

Protanomaly

36.8416, 0.3704, 0.4478

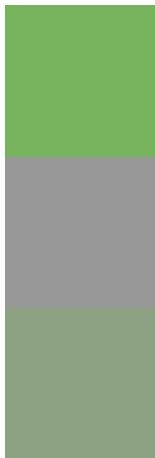
Deuteranomaly

36.3194, 0.3781, 0.4266

Tritanomaly

37.2199, 0.2940, 0.3666

Monochromacy



Original Color

37.4259, 0.3269, 0.4697

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

33.0548, 0.3189, 0.3788

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.4259, 0.3269, 0.4697 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(120, 180, 93)` looks like.

```
.text, #text, p{  
    color:rgb(120, 180, 93)  
}
```

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(120, 180, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 180, 93) }
```

Border

The CSS property to change the border of an element to Yxy 37.4259, 0.3269, 0.4697 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(120, 180, 93) }
```

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

```
.border{ border-color:rgb(120, 180, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 180, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 180, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 180, 93);  
box-shadow:4px 4px 4px 4px rgb(120, 180,  
93) }
```


Background

The CSS property to change the background color of an element to Yxy 37.4259, 0.3269, 0.4697 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 180, 93) }
```

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

```
.background{ background-color: rgb(120,  
180, 93) }
```

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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