

Converting Colors

$Yxy(36.3999, 0.3028, 0.4740)$

Have a look what the booklet for
Yxy(36.3999, 0.3028, 0.4740)
contains.

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Color

Yxy(36.2380, 0.3032, 0.4736)

Conversions

Conversions Part 1

Format	Color
Hex	5DB561
RGB	93, 181, 97
RGB Percent	36%, 71%, 38%
CMY	0.6351, 0.2902, 0.6196
CMYK	0.49, 0.00, 0.46, 0.29
HSL	123°, 37%, 54%
HSV	123°, 49%, 71%
XYZ	23.1997, 36.2380, 17.0784
YIQ	145.1120, -25.4840, -44.7800

Conversions

Conversions Part 2

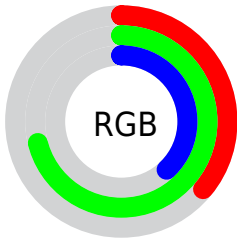
Format	Color
RYB	93, 177, 181
Decimal	6141281
CIELab	66.70, -43.99, 34.73
CIELCh	67, 56.050, 141.713
Yxy	36.2380, 0.3032, 0.4736
Android (android.graphics.Color)	4284331361 (0xFF5DB561)
YUV	145.1120, -23.7192, -45.7022
Hunter-Lab	60.1980, -36.5545, 25.3178

Details

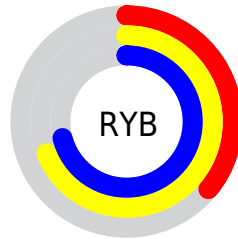
The Yxy color **36.2380, 0.3032, 0.4736** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **20.8392, 0.3228, 0.2176**, and the grayscale version is **28.4752, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.7086, 0.3074, 0.4428**, and **15.7322, 0.2939, 0.5264** is the 20% darker color. If you saturate the color by 10%, you get **35.1154, 0.3015, 0.5076**, and if you desaturate by 10%, it is **37.6575, 0.3051, 0.4394**.

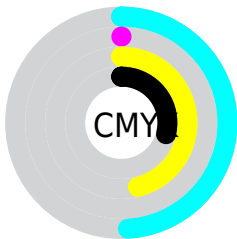
Distribution



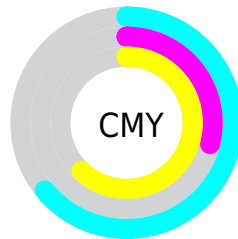
- Red (36%)
- Green (71%)
- Blue (38%)



- Red (36%)
- Yellow (69%)
- Blue (71%)



- Cyan (49%)
- Magenta (0%)
- Yellow (46%)
- Black (29%)




- Cyan (64%)
- Magenta (29%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.2380, 0.3032, 0.4736 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 36.2380, 0.3032, 0.4736 by changing the saturation by 10% instead.


 36.2380, 0.3032,
0.4736


 36.2380, 0.3032,
0.4736


329.9996, 0.3114,
0.3933


 24.6181, 0.2996,
0.4962


 69.3993, 0.3072,
0.4425


 15.7927, 0.2938,
0.5268


 91.7094, 0.3084,
0.4314

 9.3776, 0.2839,
0.5698


 118.3517, 0.3093,
0.4222

 4.9883, 0.2655,
0.6340

 149.7105, 0.3099,
0.4146

 2.2404, 0.2337,
0.7663

186.1703, 0.3104,
0.4081

 0.7419, 0.0000,
1.0000

228.1155, 0.3108,

 0.0000, 0.0000,


0.4025

0.0000

275.9305, 0.3112,
0.3976

 36.2380, 0.3032,
0.4736


 36.2380, 0.3032,
0.4736

 35.1154, 0.3015,
0.5076


 37.6575, 0.3051,
0.4394


 34.2645, 0.3002,
0.5390


 39.3880, 0.3072,
0.4067


 33.6635, 0.2994,
0.5654

 41.4481, 0.3092,
0.3766


 33.2852, 0.2992,
0.5846

 43.8536, 0.3112,
0.3496


 33.0860, 0.2993,
0.5960


 46.6194, 0.3130,
0.3258

 33.0642, 0.2992,
0.5971

 49.7596, 0.3146,
0.3052

 53.2872, 0.3161,
0.2873

 57.2149, 0.3175,
0.2720

 61.3730, 0.3179,
0.2587

Harmonies

Analogous

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



36.2380, 0.3831, 0.4825



36.2380, 0.3032, 0.4736



36.2380, 0.2302, 0.4022

Triad

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



36.2380, 0.3032, 0.4736



36.2380, 0.1847, 0.2081



36.2380, 0.4600, 0.3215

Complementary

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



36.2380, 0.3032, 0.4736



20.8392, 0.3228, 0.2176

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.



36.2380, 0.3910, 0.2666



36.2380, 0.3032, 0.4736



36.2380, 0.2300, 0.2042

Square

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



36.2380, 0.3032, 0.4736



36.2380, 0.1689, 0.2416



36.2380, 0.3034, 0.2251



36.2380, 0.4802, 0.3822

Rectangle

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



36.2380, 0.3032, 0.4736



36.2380, 0.1953, 0.3394



36.2380, 0.3034, 0.2251



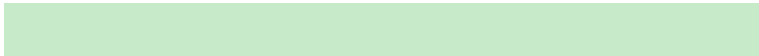
36.2380, 0.4414, 0.3022

Sweetspot

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



36.2395, 0.3032, 0.4736



75.6024, 0.3099, 0.3672



43.3105, 0.3803, 0.4466



16.1550, 0.3095, 0.3730



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.



36.2395, 0.3032, 0.4736



62.8263, 0.3014, 0.5088



37.2689, 0.2751, 0.3979



9.4960, 0.3110, 0.3514



22.7975, 0.2990, 0.5965



0.7193, 0.2949, 0.5818

Inverse Universe

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



20.8392, 0.3228, 0.2176



32.0595, 0.3251, 0.1981



19.3862, 0.3813, 0.2709



8.6400, 0.3144, 0.3075



8.8525, 0.3323, 0.1604



0.2805, 0.3288, 0.1585

Previews

White Background



This preview shows how the Yxy color 36.2380, 0.3032, 0.4736 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 36.2380, 0.3032, 0.4736 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 36.2380, 0.3032, 0.4736

Background



This preview shows how black text looks on a background with the Yxy color 36.2380, 0.3032, 0.4736.



This preview shows how white text looks on a background with the Yxy color 36.2380, 0.3032, 0.4736.

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

36.2380, 0.3032, 0.4736

Protanopia

35.5750, 0.3937, 0.4280

Deuteranopia

35.5800, 0.4037, 0.3956



Tritanopia

36.0733, 0.2556, 0.3074

Trichromacy



Original Color

36.2380, 0.3032, 0.4736



Protanomaly

34.9066, 0.3552, 0.4454



Deuteranomaly

34.6586, 0.3617, 0.4246



Tritanomaly

35.9631, 0.2731, 0.3650

Monochromacy



Original Color

36.2380, 0.3032, 0.4736



Achromatopsia

28.3149, 0.3127, 0.3290



Achromatomaly

30.4479, 0.3084, 0.3798

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.2380, 0.3032, 0.4736 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(93, 181, 97)` looks like.

```
.text, #text, p{  
    color:rgb(93, 181, 97)  
}
```

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(93, 181, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 181, 97) }
```

Border

The CSS property to change the border of an element to Yxy 36.2380, 0.3032, 0.4736 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(93, 181, 97) }
```

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

```
.border{ border-color:rgb(93, 181, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 181, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 181, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 181, 97);  
box-shadow:4px 4px 4px 4px rgb(93, 181,  
97) }
```


Background

The CSS property to change the background color of an element to Yxy 36.2380, 0.3032, 0.4736 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 181, 97) }
```

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

```
.background{ background-color: rgb(93, 181,  
97) }
```

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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