

Converting Colors

$Yxy(37.7367, 0.3291, 0.5085)$

Have a look what the booklet for
Yxy(37.7367, 0.3291, 0.5085)
contains.

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Color

Yxy(37.5230, 0.3286, 0.5077)

Conversions

Conversions Part 1

Format	Color
Hex	6CB748
RGB	108, 183, 72
RGB Percent	42%, 72%, 28%
CMY	0.5766, 0.2823, 0.7175
CMYK	0.41, 0.00, 0.61, 0.28
HSL	101°, 44%, 50%
HSV	101°, 61%, 72%
XYZ	24.2861, 37.5230, 12.0987
YIQ	147.9210, -9.0690, -50.4210

Conversions

Conversions Part 2

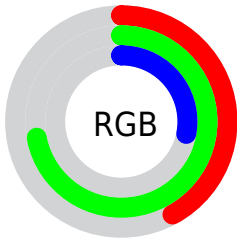
Format	Color
RYB	72, 183, 147
Decimal	7124808
CIELab	67.67, -43.36, 48.10
CIELCh	68, 64.758, 132.029
Yxy	37.5230, 0.3286, 0.5077
Android (android.graphics.Color)	4285314888 (0xFF6CB748)
YUV	147.9210, -37.4291, -35.0107
Hunter-Lab	61.2560, -36.4283, 31.1688

Details

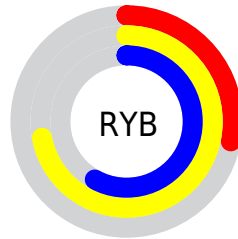
The Yxy color **37.5230, 0.3286, 0.5077** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **14.2672, 0.2743, 0.1708**, and the grayscale version is **29.7413, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.6679, 0.3296, 0.4714**, and **16.4680, 0.3227, 0.5678** is the 20% darker color. If you saturate the color by 10%, you get **36.5988, 0.3275, 0.5357**, and if you desaturate by 10%, it is **38.6316, 0.3282, 0.4768**.

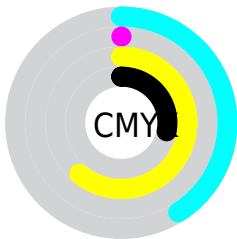
Distribution



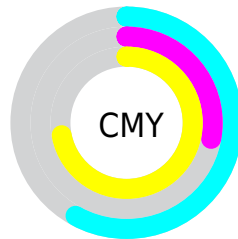
- Red (42%)
- Green (72%)
- Blue (28%)



- Red (28%)
- Yellow (72%)
- Blue (58%)



- Cyan (41%)
- Magenta (0%)
- Yellow (61%)
- Black (28%)





- Cyan (58%)
- Magenta (28%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.5230, 0.3286, 0.5077 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 37.5230, 0.3286, 0.5077 by changing the saturation by 10% instead.


 37.5230, 0.3286,
0.5077


 37.5230, 0.3286,
0.5077


335.5693, 0.3259,
0.4101


 25.6127, 0.3267,
0.5339


 71.3764, 0.3293,
0.4706

 16.5341, 0.3223,
0.5680

 94.0883, 0.3290,
0.4571


 9.9029, 0.3128,
0.6133


 121.1696, 0.3286,
0.4459

 5.3346, 0.3023,
0.6977

 153.0045, 0.3281,
0.4365

 2.4449, 0.2467,
0.7533

 189.9776, 0.3275,
0.4284

 0.8488, 0.0000,
1.0000

232.4731, 0.3270,

 0.0000, 0.0000,

0.4215

0.0000

280.8756, 0.3264,
0.4154

■ 37.5230, 0.3286,
0.5077

■ 37.5230, 0.3286,
0.5077

■ 36.5988, 0.3275,
0.5357

■ 38.6316, 0.3282,
0.4768

■ 35.8430, 0.3249,
0.5590

■ 39.9299, 0.3265,
0.4448

■ 35.2447, 0.3208,
0.5761

■ 41.4288, 0.3238,
0.4134

■ 34.8078, 0.3163,
0.5871

■ 43.1367, 0.3205,
0.3834

■ 45.0618, 0.3168,
0.3557

■ 47.2118, 0.3130,
0.3305

■ 49.5938, 0.3091,
0.3079

■ 52.2147, 0.3053,
0.2879

■ 55.0812, 0.3016,
0.2702

Harmonies

Analogous

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



37.5230, 0.4156, 0.4902



37.5230, 0.3286, 0.5077



37.5230, 0.2421, 0.4468

Triad

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



37.5230, 0.3286, 0.5077



37.5230, 0.1613, 0.2014



37.5230, 0.4603, 0.2980

Complementary

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



37.5230, 0.3286, 0.5077



14.2672, 0.2743, 0.1708

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.



37.5230, 0.3692, 0.2420



37.5230, 0.3286, 0.5077



37.5230, 0.2000, 0.1885

Square

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



37.5230, 0.3286, 0.5077



37.5230, 0.1541, 0.2491



37.5230, 0.2717, 0.2033



37.5230, 0.5020, 0.3628

Rectangle

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



37.5230, 0.3286, 0.5077



37.5230, 0.1969, 0.3750



37.5230, 0.2717, 0.2033



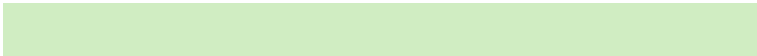
37.5230, 0.4335, 0.2780

Sweetspot

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



37.5246, 0.3286, 0.5077



78.0229, 0.3197, 0.3767



31.0990, 0.4268, 0.4284



17.0219, 0.3207, 0.3851



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.



37.5246, 0.3286, 0.5077



65.0261, 0.3268, 0.5447



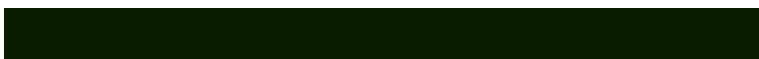
35.9959, 0.2939, 0.4925



10.1975, 0.3163, 0.3523



24.3140, 0.3171, 0.5864



0.8915, 0.3386, 0.5694

Inverse Universe

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



14.2672, 0.2743, 0.1708



19.6268, 0.2625, 0.1423



17.4060, 0.3436, 0.2092



9.0130, 0.3087, 0.3061



5.3987, 0.2416, 0.1104



0.2222, 0.2627, 0.1221

Previews

White Background



This preview shows how the Yxy color 37.5230, 0.3286, 0.5077 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 37.5230, 0.3286, 0.5077 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 37.5230, 0.3286, 0.5077

Background



This preview shows how black text looks on a background with the Yxy color 37.5230, 0.3286, 0.5077.



This preview shows how white text looks on a background with the Yxy color 37.5230, 0.3286, 0.5077.

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

37.5230, 0.3286, 0.5077

Protanopia

37.0115, 0.4155, 0.4552

Deuteranopia

36.9127, 0.4316, 0.4227



Tritanopia

37.5199, 0.2661, 0.3095

Trichromacy



Original Color

37.5230, 0.3286, 0.5077

Protanomaly

36.6111, 0.3811, 0.4760

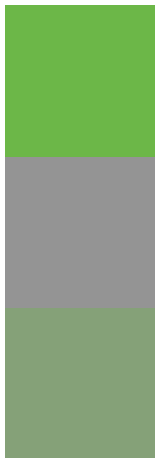
Deuteranomaly

36.1331, 0.3909, 0.4539

Tritanomaly

37.0574, 0.2906, 0.3804

Monochromacy



Original Color

37.5230, 0.3286, 0.5077

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

31.8323, 0.3218, 0.3969

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.5230, 0.3286, 0.5077 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(108, 183, 72)` looks like.

```
.text, #text, p{  
    color:rgb(108, 183, 72)  
}
```

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(108, 183, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 183, 72) }
```

Border

The CSS property to change the border of an element to Yxy 37.5230, 0.3286, 0.5077 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(108, 183, 72) }
```

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

```
.border{ border-color:rgb(108, 183, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 183, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 183, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 183, 72);  
box-shadow:4px 4px 4px 4px rgb(108, 183,  
72) }
```


Background

The CSS property to change the background color of an element to Yxy 37.5230, 0.3286, 0.5077 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 183, 72) }
```

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

```
.background{ background-color: rgb(108,  
183, 72) }
```

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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