

Converting Colors

$Y_{xy}(37.8273, 0.2995, 0.4765)$

Have a look what the booklet for
Yxy(37.8273, 0.2995, 0.4765)
contains.

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Color

Yxy(37.7226, 0.2992, 0.4758)

Conversions

Conversions Part 1

Format	Color
Hex	59B963
RGB	89, 185, 99
RGB Percent	35%, 73%, 39%
CMY	0.6510, 0.2745, 0.6117
CMYK	0.52, 0.00, 0.46, 0.27
HSL	126°, 41%, 54%
HSV	126°, 52%, 73%
XYZ	23.7213, 37.7226, 17.8386
YIQ	146.4920, -29.6100, -47.0980

Conversions

Conversions Part 2

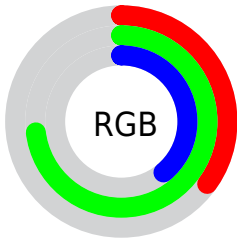
Format	Color
RYB	89, 176, 185
Decimal	5880163
CIELab	67.82, -46.47, 35.07
CIELCh	68, 58.222, 142.958
Yxy	37.7226, 0.2992, 0.4758
Android (android.graphics.Color)	4284070243 (0xFF59B963)
YUV	146.4920, -23.4136, -50.4205
Hunter-Lab	61.4187, -38.5420, 25.7728

Details

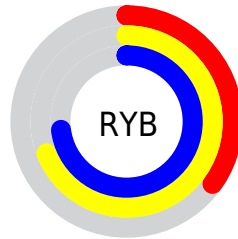
The Yxy color **37.7226, 0.2992, 0.4758** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **20.5540, 0.3306, 0.2170**, and the grayscale version is **29.0656, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.7584, 0.3038, 0.4448**, and **16.6696, 0.2885, 0.5289** is the 20% darker color. If you saturate the color by 10%, you get **36.6359, 0.2975, 0.5081**, and if you desaturate by 10%, it is **39.1074, 0.3014, 0.4431**.

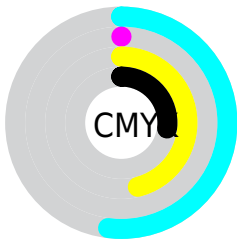
Distribution



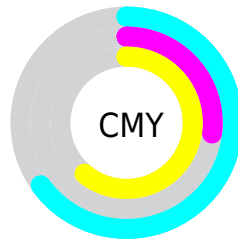
- Red (35%)
- Green (73%)
- Blue (39%)



- Red (35%)
- Yellow (69%)
- Blue (73%)



- Cyan (52%)
- Magenta (0%)
- Yellow (46%)
- Black (27%)




- Cyan (65%)
- Magenta (27%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.7226, 0.2992, 0.4758 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 37.7226, 0.2992, 0.4758 by changing the saturation by 10% instead.


 37.7226, 0.2992,
0.4758


 37.7226, 0.2992,
0.4758


336.4285, 0.3095,
0.3947


 25.7675, 0.2951,
0.4986


 71.6828, 0.3040,
0.4444


 16.6498, 0.2887,
0.5292


 94.4566, 0.3055,
0.4332

 9.9851, 0.2780,
0.5721


 121.6054, 0.3066,
0.4240

 5.3891, 0.2587,
0.6351

 153.5136, 0.3075,
0.4162

 2.4773, 0.2300,
0.7700

190.5656, 0.3082,
0.4096

 0.8652, 0.0000,
1.0000

233.1459, 0.3087,

 0.0000, 0.0000,

0.4039

0.0000

281.6387, 0.3092,
0.3990

■ 37.7226, 0.2992,
0.4758

■ 37.7226, 0.2992,
0.4758

■ 36.6359, 0.2975,
0.5081

■ 39.1074, 0.3014,
0.4431

■ 35.8211, 0.2966,
0.5381

■ 40.8051, 0.3040,
0.4117

■ 35.2552, 0.2965,
0.5634

■ 42.8349, 0.3067,
0.3826

■ 34.9091, 0.2972,
0.5824

■ 45.2132, 0.3095,
0.3563

■ 34.7472, 0.2980,
0.5926

■ 47.9555, 0.3122,
0.3331

■ 51.0762, 0.3148,
0.3127

■ 54.5888, 0.3172,
0.2951

■ 58.5063, 0.3194,
0.2798

■ 62.7457, 0.3210,
0.2666

Harmonies

Analogous

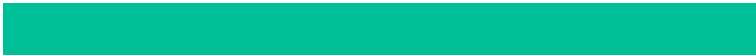
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



37.7226, 0.3810, 0.4870



37.7226, 0.2992, 0.4758



37.7226, 0.2255, 0.4002

Triad

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



37.7226, 0.2992, 0.4758



37.7226, 0.1834, 0.2048



37.7226, 0.4656, 0.3235

Complementary

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



37.7226, 0.2992, 0.4758



20.5540, 0.3306, 0.2170

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.



37.7226, 0.3964, 0.2673



37.7226, 0.2992, 0.4758



37.7226, 0.2307, 0.2021

Square

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



37.7226, 0.2992, 0.4758



37.7226, 0.1661, 0.2374



37.7226, 0.3067, 0.2244



37.7226, 0.4836, 0.3854

Rectangle

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



37.7226, 0.2992, 0.4758



37.7226, 0.1910, 0.3355



37.7226, 0.3067, 0.2244



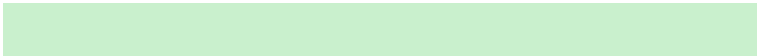
37.7226, 0.4473, 0.3038

Sweetspot

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



37.7242, 0.2992, 0.4758



79.0341, 0.3083, 0.3675



44.5811, 0.3783, 0.4567



16.8522, 0.3077, 0.3728



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.



37.7242, 0.2992, 0.4758



65.4251, 0.2974, 0.5116



38.9171, 0.2693, 0.3924



10.0749, 0.3102, 0.3501



23.6643, 0.2976, 0.5914



0.8393, 0.2893, 0.5614

Inverse Universe

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



20.5540, 0.3306, 0.2170



31.3621, 0.3351, 0.1981



19.0022, 0.3984, 0.2759



9.1462, 0.3153, 0.3088



8.8966, 0.3487, 0.1694



0.3183, 0.3406, 0.1650

Previews

White Background



This preview shows how the Yxy color 37.7226, 0.2992, 0.4758 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 37.7226, 0.2992, 0.4758 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 37.7226, 0.2992, 0.4758

Background



This preview shows how black text looks on a background with the Yxy color 37.7226, 0.2992, 0.4758.



This preview shows how white text looks on a background with the Yxy color 37.7226, 0.2992, 0.4758.

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

37.7226, 0.2992, 0.4758

Protanopia

37.0269, 0.3932, 0.4279

Deuteranopia

37.1603, 0.4041, 0.3957



Tritanopia

37.6491, 0.2529, 0.3077

Trichromacy



Original Color

37.7226, 0.2992, 0.4758



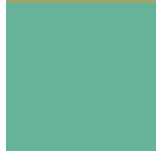
Protanomaly

36.5343, 0.3529, 0.4469



Deuteranomaly

35.8858, 0.3598, 0.4251



Tritanomaly

37.4653, 0.2698, 0.3662

Monochromacy



Original Color

37.7226, 0.2992, 0.4758



Achromatopsia

28.7441, 0.3127, 0.3290



Achromatomaly

31.0866, 0.3065, 0.3813

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.7226, 0.2992, 0.4758 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(89, 185, 99)` looks like.

```
.text, #text, p{  
    color:rgb(89, 185, 99)  
}
```

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(89, 185, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 185, 99) }
```

Border

The CSS property to change the border of an element to Yxy 37.7226, 0.2992, 0.4758 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(89, 185, 99) }
```

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

```
.border{ border-color:rgb(89, 185, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 185, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 185, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 185, 99);  
box-shadow:4px 4px 4px 4px rgb(89, 185,  
99) }
```


Background

The CSS property to change the background color of an element to Yxy 37.7226, 0.2992, 0.4758 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 185, 99) }
```

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

```
.background{ background-color: rgb(89, 185,  
99) }
```

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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