

Converting Colors

$Yxy(37.5662, 0.2760, 0.4029)$

Have a look what the booklet for
Yxy(37.5662, 0.2760, 0.4029)
contains.

Yxy(37.5662, 0.2760, 0.4029)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$\text{Yxy}(37.5662, 0.2760, 0.4029)$

Conversions

Conversions Part 1

Format	Color
Hex	5CB68A
RGB	92, 182, 138
RGB Percent	36%, 71%, 54%
CMY	0.6389, 0.2863, 0.4588
CMYK	0.49, 0.00, 0.24, 0.29
HSL	151°, 38%, 54%
HSV	151°, 49%, 71%
XYZ	25.7341, 37.5662, 29.9392
YIQ	150.0740, -39.5160, -32.7640

Conversions

Conversions Part 2

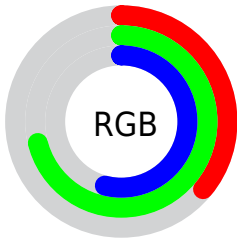
Format	Color
RYB	92, 152, 182
Decimal	6076042
CIELab	67.70, -37.31, 14.26
CIElCh	68, 39.941, 159.088
Yxy	37.5662, 0.2760, 0.4029
Android (android.graphics.Color)	4284266122 (0xFF5CB68A)
YUV	150.0740, -5.9525, -50.9309
Hunter-Lab	61.2913, -32.3137, 13.9423

Details

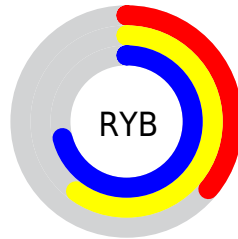
The Yxy color **37.5662, 0.2760, 0.4029** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **19.3904, 0.3799, 0.2672**, and the grayscale version is **30.5784, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.1579, 0.2831, 0.3864**, and **16.4663, 0.2629, 0.4282** is the 20% darker color. If you saturate the color by 10%, you get **36.4921, 0.2714, 0.4213**, and if you desaturate by 10%, it is **38.8897, 0.2819, 0.3854**.

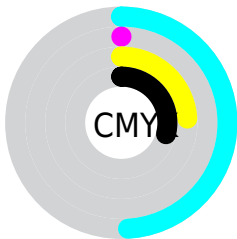
Distribution



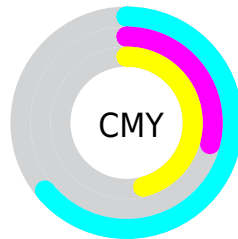
- Red (36%)
- Green (71%)
- Blue (54%)



- Red (36%)
- Yellow (60%)
- Blue (71%)



- Cyan (49%)
- Magenta (0%)
- Yellow (24%)
- Black (29%)




- Cyan (64%)
- Magenta (29%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.5662, 0.2760, 0.4029 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 37.5662, 0.2760, 0.4029 by changing the saturation by 10% instead.


 37.5662, 0.2760,
0.4029


 37.5662, 0.2760,
0.4029


335.7554, 0.2958,
0.3628


 25.6462, 0.2705,
0.4140


 71.4427, 0.2836,
0.3875


 16.5591, 0.2631,
0.4290


 94.1681, 0.2863,
0.3820

 9.9207, 0.2526,
0.4504


 121.2639, 0.2886,
0.3775

 5.3464, 0.2367,
0.4830

 153.1148, 0.2905,
0.3736

 2.4519, 0.2099,
0.5382

190.1049, 0.2921,
0.3703

 0.8524, 0.0000,
1.0000

232.6188, 0.2935,

 0.0000, 0.0000,

0.3675

0.0000

281.0408, 0.2948,
0.3650

■ 37.5662, 0.2760,
0.4029

■ 37.5662, 0.2760,
0.4029

■ 36.4921, 0.2714,
0.4213

■ 38.8897, 0.2819,
0.3854

■ 35.6459, 0.2686,
0.4403

■ 40.4733, 0.2889,
0.3691

■ 35.0100, 0.2676,
0.4594


■ 42.3324, 0.2966,
0.3541

■ 34.5619, 0.2686,
0.4780

■ 44.4801, 0.3048,
0.3405

■ 34.2596, 0.2712,
0.4959

■ 46.9283, 0.3132,
0.3283

 34.2433, 0.2714,
0.4969

 49.6887, 0.3216,
0.3175

 52.7719, 0.3300,
0.3079

 56.1882, 0.3381,
0.2995

 59.7828, 0.3452,
0.2921

Harmonies

Analogous

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



37.5662, 0.3338, 0.4363



37.5662, 0.2760, 0.4029



37.5662, 0.2308, 0.3437

Triad

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



37.5662, 0.2760, 0.4029



37.5662, 0.2356, 0.2354



37.5662, 0.4301, 0.3534

Complementary

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



37.5662, 0.2760, 0.4029



19.3904, 0.3799, 0.2672

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.



37.5662, 0.3993, 0.3077



37.5662, 0.2760, 0.4029



37.5662, 0.2827, 0.2430

Square

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



37.5662, 0.2760, 0.4029



37.5662, 0.2099, 0.2492



37.5662, 0.3431, 0.2687



37.5662, 0.4251, 0.3982

Rectangle

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



37.5662, 0.2760, 0.4029



37.5662, 0.2129, 0.3039



37.5662, 0.3431, 0.2687



37.5662, 0.4237, 0.3379

Sweetspot

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



37.5677, 0.2760, 0.4029



78.3069, 0.3000, 0.3483



39.5488, 0.3419, 0.4665



17.1195, 0.2983, 0.3512



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.



37.5677, 0.2760, 0.4029



66.0626, 0.2712, 0.4224



39.1099, 0.2488, 0.3288



10.1346, 0.3049, 0.3404



24.1973, 0.2708, 0.4949



0.8655, 0.2578, 0.4481

Inverse Universe

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



19.3904, 0.3799, 0.2672



29.3642, 0.4023, 0.2561



18.3850, 0.4490, 0.3294



9.0835, 0.3213, 0.3179



7.5463, 0.4977, 0.2515



0.2785, 0.4404, 0.2200

Previews

White Background



This preview shows how the Yxy color 37.5662, 0.2760, 0.4029 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 37.5662, 0.2760, 0.4029 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

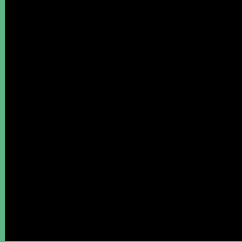
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.5662, 0.2760, 0.4029

Background



This preview shows how black text looks on a background with the Yxy color 37.5662, 0.2760, 0.4029.



This preview shows how white text looks on a background with the Yxy color 37.5662, 0.2760, 0.4029.

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

37.5662, 0.2760, 0.4029

Protanopia

37.1346, 0.3542, 0.3792

Deuteranopia

37.0017, 0.3561, 0.3497



Tritanopia

37.3982, 0.2505, 0.3075

Trichromacy



Original Color

37.5662, 0.2760, 0.4029



Protanomaly

36.7211, 0.3207, 0.3895



Deuteranomaly

36.2359, 0.3211, 0.3685



Tritanomaly

37.5098, 0.2599, 0.3416

Monochromacy



Original Color

37.5662, 0.2760, 0.4029



Achromatopsia

30.4987, 0.3127, 0.3290



Achromatomaly

32.5831, 0.2959, 0.3549

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.5662, 0.2760, 0.4029 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(92, 182, 138)` looks like.

```
.text, #text, p{  
    color:rgb(92, 182, 138)  
}
```

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(92, 182, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 182, 138) }
```

Border

The CSS property to change the border of an element to Yxy 37.5662, 0.2760, 0.4029 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(92, 182, 138) }
```

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

```
.border{ border-color:rgb(92, 182, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(92, 182, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 182, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 182, 138);  
box-shadow:4px 4px 4px 4px rgb(92, 182,  
138) }
```


Background

The CSS property to change the background color of an element to Yxy 37.5662, 0.2760, 0.4029 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 182, 138) }
```

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

```
.background{ background-color: rgb(92, 182,  
138) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor