

Converting Colors

$Yxy(37.8494, 0.2539, 0.3732)$

Have a look what the booklet for
Yxy(37.8494, 0.2539, 0.3732)
contains.

Yxy(37.6790, 0.2539, 0.3724)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(37.6790, 0.2539, 0.3724)

Conversions

Conversions Part 1

Format	Color
Hex	48B79D
RGB	72, 183, 157
RGB Percent	28%, 72%, 62%
CMY	0.7177, 0.2823, 0.3844
CMYK	0.61, 0.00, 0.14, 0.28
HSL	166°, 44%, 50%
HSV	166°, 61%, 72%
XYZ	25.6893, 37.6790, 37.8105
YIQ	146.8470, -57.8100, -31.6180

Conversions

Conversions Part 2

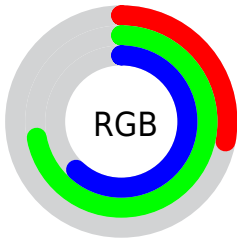
Format	Color
RYB	72, 135, 183
Decimal	4765597
CIELab	67.78, -37.86, 3.88
CIElCh	68, 38.056, 174.153
Yxy	37.6790, 0.2539, 0.3724
Android (android.graphics.Color)	4282955677 (0xFF48B79D)
YUV	146.8470, 5.0054, -65.6408
Hunter-Lab	61.3832, -32.7171, 6.4471

Details

The Yxy color **37.6790, 0.2539, 0.3724** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **15.5817, 0.4544, 0.2944**, and the grayscale version is **29.1057, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.8989, 0.2651, 0.3637**, and **16.7411, 0.2402, 0.3848** is the 20% darker color. If you saturate the color by 10%, you get **36.9351, 0.2492, 0.3809**, and if you desaturate by 10%, it is **38.6403, 0.2604, 0.3641**.

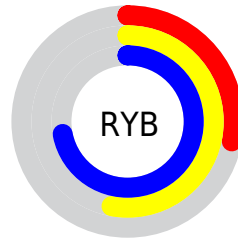
Distribution



Red (28%)

Green (72%)

Blue (62%)



Red (28%)

Yellow (53%)

Blue (72%)

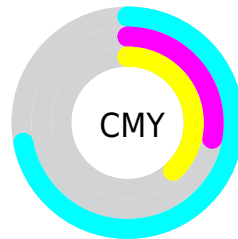


Cyan (61%)

Magenta (0%)

Yellow (14%)

Black (28%)



Cyan (72%)


Magenta (28%)

Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.6790, 0.2539, 0.3724 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 37.6790, 0.2539, 0.3724 by changing the saturation by 10% instead.


 37.6790, 0.2539,
0.3724


 37.6790, 0.2539,
0.3724


336.2410, 0.2844,
0.3496


 25.7336, 0.2460,
0.3785


 71.6159, 0.2652,
0.3638

 16.6245, 0.2356,
0.3865


 94.3762, 0.2694,
0.3607

 9.9671, 0.2214,
0.3977


 121.5102, 0.2729,
0.3581

 5.3772, 0.2010,
0.4141

 153.4025, 0.2759,
0.3559

 2.4702, 0.1696,
0.4404

 190.4373, 0.2785,
0.3540

 0.8617, 0.0000,
0.5636

232.9990, 0.2807,

 0.0000, 0.0000,

0.3523

0.0000

281.4721, 0.2827,
0.3509

■ 37.6790, 0.2539,
0.3724

■ 37.6790, 0.2539,
0.3724

■ 36.9351, 0.2492,
0.3809

■ 38.6403, 0.2604,
0.3641

■ 36.3848, 0.2465,
0.3896

■ 39.8315, 0.2685,
0.3562

■ 36.0069, 0.2456,
0.3982

■ 41.2693, 0.2780,
0.3486

■ 35.7667, 0.2462,
0.4062

■ 42.9674, 0.2886,
0.3417

■ 44.9388, 0.3000,
0.3352

■ 47.1955, 0.3119,
0.3294

■ 49.7487, 0.3241,
0.3241

■ 52.6090, 0.3364,
0.3194

■ 55.7866, 0.3485,
0.3153

Harmonies

Analogous

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



37.6790, 0.3048, 0.4192



37.6790, 0.2539, 0.3724



37.6790, 0.2206, 0.3143

Triad

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



37.6790, 0.2539, 0.3724



37.6790, 0.2595, 0.2406



37.6790, 0.4265, 0.3749

Complementary

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



37.6790, 0.2539, 0.3724



15.5817, 0.4544, 0.2944

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.



37.6790, 0.4138, 0.3306



37.6790, 0.2539, 0.3724



37.6790, 0.3125, 0.2571

Square

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



37.6790, 0.2539, 0.3724



37.6790, 0.2239, 0.2434



37.6790, 0.3704, 0.2890



37.6790, 0.4057, 0.4134

Rectangle

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



37.6790, 0.2539, 0.3724



37.6790, 0.2111, 0.2812



37.6790, 0.3704, 0.2890



37.6790, 0.4262, 0.3603

Sweetspot

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



37.6805, 0.2539, 0.3724



77.7401, 0.2913, 0.3401



37.0316, 0.3222, 0.5114



16.9568, 0.2880, 0.3420



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.



37.6805, 0.2539, 0.3724



65.7582, 0.2480, 0.3840



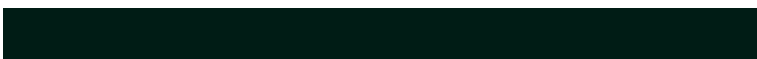
28.3218, 0.2290, 0.2822



10.1737, 0.3016, 0.3344



24.9604, 0.2459, 0.4051



0.8888, 0.2398, 0.3831

Inverse Universe

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



15.5817, 0.4544, 0.2944



22.7123, 0.5068, 0.2926



19.5993, 0.4724, 0.3670



9.0458, 0.3252, 0.3237



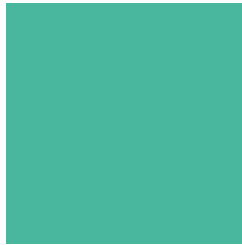
7.1533, 0.5947, 0.3050



0.2620, 0.5213, 0.2645

Previews

White Background



This preview shows how the Yxy color 37.6790, 0.2539, 0.3724 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 37.6790, 0.2539, 0.3724 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 37.6790, 0.2539, 0.3724

Background



This preview shows how black text looks on a background with the Yxy color 37.6790, 0.2539, 0.3724.

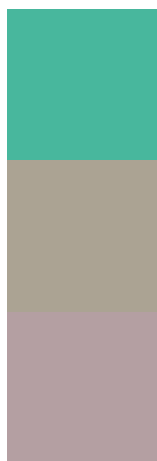


This preview shows how white text looks on a background with the Yxy color 37.6790, 0.2539, 0.3724.

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

37.6790, 0.2539, 0.3724

Protanopia

36.9589, 0.3348, 0.3520

Deuteranopia

37.1082, 0.3305, 0.3249



Tritanopia

37.5779, 0.2385, 0.3072

Trichromacy



Original Color

37.6790, 0.2539, 0.3724



Protanomaly

36.1347, 0.2973, 0.3586



Deuteranomaly

36.2060, 0.2952, 0.3411



Tritanomaly

37.6027, 0.2440, 0.3304

Monochromacy



Original Color

37.6790, 0.2539, 0.3724



Achromatopsia

29.1771, 0.3127, 0.3290



Achromatomaly

31.3690, 0.2839, 0.3438

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.6790, 0.2539, 0.3724 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(72, 183, 157)` looks like.

```
.text, #text, p{  
    color:rgb(72, 183, 157)  
}
```

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(72, 183, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 183, 157) }
```

Border

The CSS property to change the border of an element to Yxy 37.6790, 0.2539, 0.3724 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(72, 183, 157) }
```

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

```
.border{ border-color:rgb(72, 183, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 183, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 183, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 183, 157);  
box-shadow:4px 4px 4px 4px rgb(72, 183,  
157) }
```


Background

The CSS property to change the background color of an element to Yxy 37.6790, 0.2539, 0.3724 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 183, 157) }
```

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

```
.background{ background-color: rgb(72, 183,  
157) }
```

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