

Converting Colors

$Yxy(37.9172, 0.2496, 0.3593)$

Have a look what the booklet for
Yxy(37.9172, 0.2496, 0.3593)
contains.

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Color

Yxy(37.9250, 0.2499, 0.3602)

Conversions

Conversions Part 1

Format	Color
Hex	48B7A4
RGB	72, 183, 164
RGB Percent	28%, 72%, 64%
CMY	0.7172, 0.2824, 0.3569
CMYK	0.61, 0.00, 0.10, 0.28
HSL	170°, 44%, 50%
HSV	170°, 61%, 72%
XYZ	26.3117, 37.9250, 41.0521
YIQ	147.6450, -60.0570, -29.4410

Conversions

Conversions Part 2

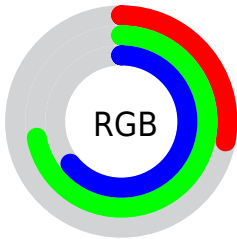
Format	Color
RYB	72, 133, 183
Decimal	4765604
CIELab	67.97, -36.05, 0.28
CIElCh	68, 36.054, 179.550
Yxy	37.9250, 0.2499, 0.3602
Android (android.graphics.Color)	4282955684 (0xFF48B7A4)
YUV	147.6450, 8.0630, -66.3407
Hunter-Lab	61.5833, -31.5060, 3.5849

Details

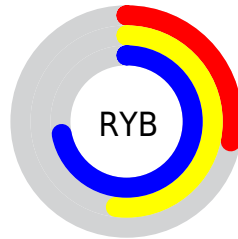
The Yxy color **37.9250, 0.2499, 0.3602** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **15.4715, 0.4667, 0.3041**, and the grayscale version is **29.4547, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.2599, 0.2617, 0.3547**, and **16.8704, 0.2360, 0.3695** is the 20% darker color. If you saturate the color by 10%, you get **37.2118, 0.2447, 0.3663**, and if you desaturate by 10%, it is **38.8534, 0.2569, 0.3543**.

Distribution



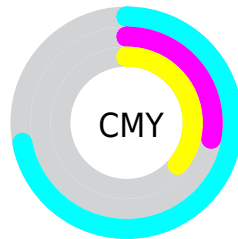
- Red (28%)
- Green (72%)
- Blue (64%)



- Red (28%)
- Yellow (52%)
- Blue (72%)



- Cyan (61%)
- Magenta (0%)
- Yellow (10%)
- Black (28%)





- Cyan (72%)
- Magenta (28%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.9250, 0.2499, 0.3602 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 37.9250, 0.2499, 0.3602 by changing the saturation by 10% instead.


 37.9250, 0.2499,
0.3602


 37.9250, 0.2499,
0.3602


337.2981, 0.2822,
0.3442

 25.9245, 0.2416,
0.3643


 71.9932, 0.2618,
0.3543


 16.7672, 0.2308,
0.3697


 94.8296, 0.2662,
0.3521


 10.0686, 0.2162,
0.3770


 122.0468, 0.2699,
0.3502

 5.4445, 0.1955,
0.3874

 154.0292, 0.2731,
0.3487

 2.5103, 0.1641,
0.4032

 191.1611, 0.2758,
0.3473

 0.8818, 0.0000,
0.4839

233.8270, 0.2782,

 0.0000, 0.0000,

0.3461

0.0000

282.4112, 0.2803,
0.3451

■ 37.9250, 0.2499,
0.3602

■ 37.9250, 0.2499,
0.3602

■ 37.2118, 0.2447,
0.3663

■ 38.8534, 0.2569,
0.3543

■ 36.6900, 0.2415,
0.3724

■ 40.0093, 0.2656,
0.3486

■ 36.3385, 0.2401,
0.3785

■ 41.4094, 0.2757,
0.3432

■ 36.1200, 0.2400,
0.3842

■ 43.0675, 0.2870,
0.3382

■ 44.9965, 0.2992,
0.3335

■ 47.2083, 0.3119,
0.3292

■ 49.7140, 0.3251,
0.3254

■ 52.5244, 0.3383,
0.3220

■ 55.6495, 0.3515,
0.3189

Harmonies

Analogous

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



37.9250, 0.2960, 0.4078



37.9250, 0.2499, 0.3602



37.9250, 0.2218, 0.3062

Triad

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



37.9250, 0.2499, 0.3602



37.9250, 0.2704, 0.2464



37.9250, 0.4191, 0.3804

Complementary

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



37.9250, 0.2499, 0.3602



15.4715, 0.4667, 0.3041

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.



37.9250, 0.4128, 0.3385



37.9250, 0.2499, 0.3602



37.9250, 0.3226, 0.2651

Square

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



37.9250, 0.2499, 0.3602



37.9250, 0.2330, 0.2457



37.9250, 0.3762, 0.2977



37.9250, 0.3947, 0.4143

Rectangle

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



37.9250, 0.2499, 0.3602



37.9250, 0.2154, 0.2770



37.9250, 0.3762, 0.2977



37.9250, 0.4206, 0.3668

Sweetspot

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



37.9265, 0.2499, 0.3602



77.8899, 0.2897, 0.3371



36.6315, 0.3168, 0.5143



16.9948, 0.2863, 0.3385



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.



37.9265, 0.2499, 0.3602



66.2752, 0.2433, 0.3685



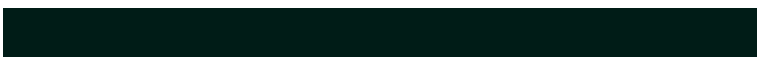
25.9420, 0.2261, 0.2691



10.1835, 0.3007, 0.3329



25.2085, 0.2398, 0.3834



0.8957, 0.2355, 0.3678

Inverse Universe

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



15.4715, 0.4667, 0.3041



22.5032, 0.5236, 0.3035



21.0966, 0.4645, 0.3772



9.0367, 0.3262, 0.3251



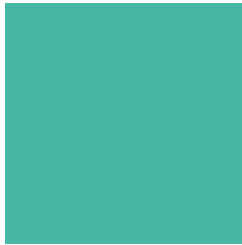
7.1006, 0.6120, 0.3145



0.2581, 0.5472, 0.2788

Previews

White Background



This preview shows how the Yxy color 37.9250, 0.2499, 0.3602 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 37.9250, 0.2499, 0.3602 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

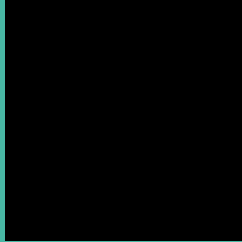
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

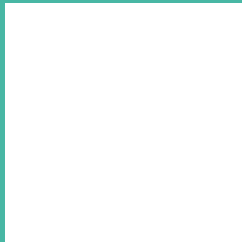
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 37.9250, 0.2499, 0.3602

Background



This preview shows how black text looks on a background with the Yxy color 37.9250, 0.2499, 0.3602.



This preview shows how white text looks on a background with the Yxy color 37.9250, 0.2499, 0.3602.

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

37.9250, 0.2499, 0.3602

Protanopia

37.3969, 0.3282, 0.3447

Deuteranopia

37.1258, 0.3220, 0.3153



Tritanopia

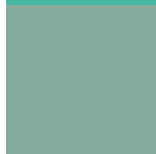
37.9753, 0.2379, 0.3072

Trichromacy



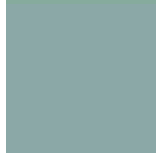
Original Color

37.9250, 0.2499, 0.3602



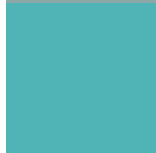
Protanomaly

36.6285, 0.2918, 0.3506



Deuteranomaly

36.2843, 0.2880, 0.3304



Tritanomaly

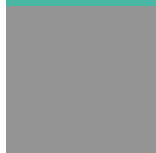
37.7254, 0.2423, 0.3256

Monochromacy



Original Color

37.9250, 0.2499, 0.3602



Achromatopsia

29.6138, 0.3127, 0.3290



Achromatomaly

31.8159, 0.2816, 0.3404

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.9250, 0.2499, 0.3602 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, 164)` looks like.

```
.text, #text, p{  
    color:rgb(72, 183, 164)  
}
```

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, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 183, 164) }
```

Border

The CSS property to change the border of an element to Yxy 37.9250, 0.2499, 0.3602 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, 164) }
```

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

```
.border{ border-color:rgb(72, 183, 164) }
```

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, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 183, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 183, 164);  
box-shadow:4px 4px 4px 4px rgb(72, 183,  
164) }
```


Background

The CSS property to change the background color of an element to Yxy 37.9250, 0.2499, 0.3602 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, 164) }
```

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

```
.background{ background-color: rgb(72, 183,  
164) }
```

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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