

Converting Colors

$Yxy(37.8662, 0.2499, 0.4098)$

Have a look what the booklet for
Yxy(37.8662, 0.2499, 0.4098)
contains.

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Color

Yxy(37.6704, 0.2500, 0.4099)

Conversions

Conversions Part 1

Format	Color
Hex	19BB8D
RGB	25, 187, 141
RGB Percent	10%, 73%, 55%
CMY	0.9026, 0.2666, 0.4471
CMYK	0.87, 0.00, 0.25, 0.27
HSL	163°, 77%, 42%
HSV	163°, 87%, 73%
XYZ	22.9754, 37.6704, 31.2557
YIQ	133.3180, -81.7860, -48.6500

Conversions

Conversions Part 2

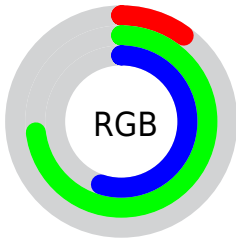
Format	Color
RYB	25, 119, 187
Decimal	1686413
CIELab	67.78, -49.64, 12.51
CIElCh	68, 51.193, 165.855
Yxy	37.6704, 0.2500, 0.4099
Android (android.graphics.Color)	4279876493 (0xFF19BB8D)
YUV	133.3180, 3.7872, -94.9949
Hunter-Lab	61.3762, -40.5893, 12.7701

Details

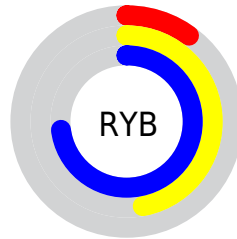
The Yxy color **37.6704, 0.2500, 0.4099** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **11.7077, 0.5396, 0.2875**, and the grayscale version is **23.5693, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.5251, 0.2623, 0.3925**, and **17.5304, 0.2534, 0.4324** is the 20% darker color. If you saturate the color by 10%, you get **37.3526, 0.2507, 0.4205**, and if you desaturate by 10%, it is **38.1544, 0.2511, 0.3992**.

Distribution



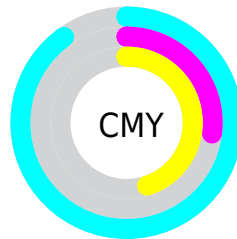
- Red (10%)
- Green (73%)
- Blue (55%)



- Red (10%)
- Yellow (47%)
- Blue (73%)



- Cyan (87%)
- Magenta (0%)
- Yellow (25%)
- Black (27%)





- Cyan (90%)
- Magenta (27%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.6704, 0.2500, 0.4099 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 37.6704, 0.2500, 0.4099 by changing the saturation by 10% instead.


 37.6704, 0.2500,
0.4099


 37.6704, 0.2500,
0.4099


336.2040, 0.2832,
0.3661


 25.7270, 0.2411,
0.4221


 71.6027, 0.2625,
0.3931

 16.6195, 0.2293,
0.4384


 94.3603, 0.2671,
0.3871


 9.9636, 0.2129,
0.4616


 121.4915, 0.2709,
0.3821

 5.3748, 0.1890,
0.4969

 153.3805, 0.2741,
0.3778

 2.4688, 0.1487,
0.5574

 190.4119, 0.2769,
0.3742

 0.8610, 0.0000,
0.9320

232.9700, 0.2793,

 0.0000, 0.0000,

0.3711

0.0000

281.4392, 0.2814,
0.3684

■ 37.6704, 0.2500,
0.4099

■ 37.6704, 0.2500,
0.4099

■ 37.3526, 0.2507,
0.4205

■ 38.1544, 0.2511,
0.3992

■ 37.2639, 0.2511,
0.4239

■ 38.8306, 0.2543,
0.3886

■ 39.7227, 0.2593,
0.3781

■ 40.8501, 0.2661,
0.3680

■ 42.2299, 0.2743,
0.3585

■ 43.8776, 0.2838,
0.3495

■ 45.8074, 0.2941,
0.3412

■ 48.0326, 0.3051,
0.3337

■ 50.5653, 0.3165,
0.3268

Harmonies

Analogous

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



37.6704, 0.3198, 0.4642



37.6704, 0.2500, 0.4099



37.6704, 0.2008, 0.3280

Triad

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



37.6704, 0.2500, 0.4099



37.6704, 0.2271, 0.2132



37.6704, 0.4648, 0.3687

Complementary

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



37.6704, 0.2500, 0.4099



11.7077, 0.5396, 0.2875

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.



37.6704, 0.4363, 0.3128



37.6704, 0.2500, 0.4099



37.6704, 0.2901, 0.2282

Square

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



37.6704, 0.2500, 0.4099



37.6704, 0.1902, 0.2224



37.6704, 0.3685, 0.2635



37.6704, 0.4460, 0.4236

Rectangle

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



37.6704, 0.2500, 0.4099



37.6704, 0.1843, 0.2796



37.6704, 0.3685, 0.2635



37.6704, 0.4607, 0.3498

Sweetspot

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



37.6719, 0.2500, 0.4099



78.6708, 0.2840, 0.3492



37.0497, 0.3202, 0.5722



17.0851, 0.2806, 0.3523



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



37.6719, 0.2500, 0.4099



66.6900, 0.2516, 0.4256



27.0948, 0.2118, 0.2730



10.7621, 0.3022, 0.3356



25.6854, 0.2507, 0.4227



1.0168, 0.2437, 0.3974

Inverse Universe

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



11.7077, 0.5396, 0.2875



19.3480, 0.5860, 0.3002



13.5893, 0.5812, 0.3567



9.5797, 0.3245, 0.3225



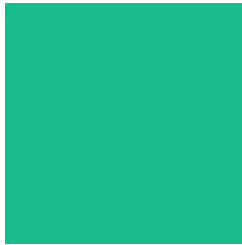
7.4677, 0.5790, 0.2963



0.3042, 0.5085, 0.2575

Previews

White Background



This preview shows how the Yxy color 37.6704, 0.2500, 0.4099 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 37.6704, 0.2500, 0.4099 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

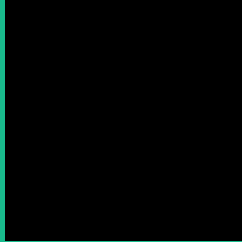
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.6704, 0.2500, 0.4099

Background



This preview shows how black text looks on a background with the Yxy color 37.6704, 0.2500, 0.4099.

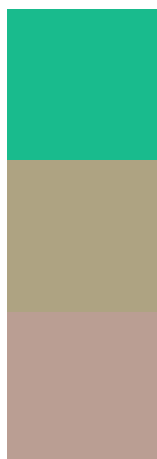


This preview shows how white text looks on a background with the Yxy color 37.6704, 0.2500, 0.4099.

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

37.6704, 0.2500, 0.4099

Protanopia

36.8048, 0.3536, 0.3764

Deuteranopia

36.9994, 0.3511, 0.3442



Tritanopia

37.6394, 0.2289, 0.3053

Trichromacy



Original Color

37.6704, 0.2500, 0.4099



Protanomaly

35.2193, 0.2979, 0.3915



Deuteranomaly

34.9323, 0.2952, 0.3676



Tritanomaly

37.6151, 0.2358, 0.3419

Monochromacy



Original Color

37.6704, 0.2500, 0.4099



Achromatopsia

23.4551, 0.3127, 0.3290



Achromatomaly

26.9397, 0.2734, 0.3601

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.6704, 0.2500, 0.4099 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(25, 187, 141)` looks like.

```
.text, #text, p{  
    color:rgb(25, 187, 141)  
}
```

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(25, 187, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 187, 141) }
```

Border

The CSS property to change the border of an element to Yxy 37.6704, 0.2500, 0.4099 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(25, 187, 141) }
```

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

```
.border{ border-color:rgb(25, 187, 141) }
```

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

Here you see how a box with a 4 pixel rgb(25, 187, 141) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 187, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 187, 141);  
box-shadow:4px 4px 4px 4px rgb(25, 187,  
141) }
```


Background

The CSS property to change the background color of an element to Yxy 37.6704, 0.2500, 0.4099 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 187, 141) }
```

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

```
.background{ background-color: rgb(25, 187,  
141) }
```

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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