

Converting Colors

$Y_{xy}(37.2264, 0.2524, 0.3799)$

Have a look what the booklet for
Yxy(37.2264, 0.2524, 0.3799)
contains.

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Color

Yxy(37.2236, 0.2524, 0.3799)

Conversions

Conversions Part 1

Format	Color
Hex	3FB799
RGB	63, 183, 153
RGB Percent	25%, 72%, 60%
CMY	0.7532, 0.2823, 0.3999
CMYK	0.66, 0.00, 0.16, 0.28
HSL	165°, 49%, 48%
HSV	165°, 66%, 72%
XYZ	24.7308, 37.2236, 36.0282
YIQ	143.7000, -61.8900, -34.7700

Conversions

Conversions Part 2

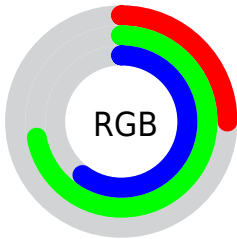
Format	Color
RYB	63, 132, 183
Decimal	4175769
CIELab	67.44, -40.47, 5.54
CIELCh	67, 40.846, 172.209
Yxy	37.2236, 0.2524, 0.3799
Android (android.graphics.Color)	4282365849 (0xFF3FB799)
YUV	143.7000, 4.5849, -70.7739
Hunter-Lab	61.0111, -34.4147, 7.6960

Details

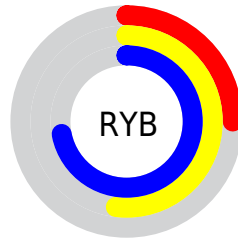
The Yxy color **37.2236, 0.2524, 0.3799** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **14.4035, 0.4696, 0.2906**, and the grayscale version is **27.7559, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.1103, 0.2643, 0.3705**, and **16.6598, 0.2431, 0.3952** is the 20% darker color. If you saturate the color by 10%, you get **36.5720, 0.2488, 0.3891**, and if you desaturate by 10%, it is **38.0840, 0.2579, 0.3709**.

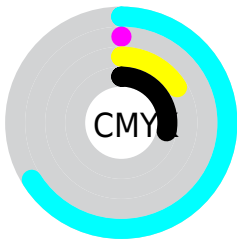
Distribution



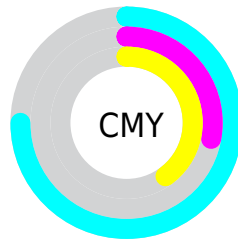
- Red (25%)
- Green (72%)
- Blue (60%)



- Red (25%)
- Yellow (52%)
- Blue (72%)



- Cyan (66%)
- Magenta (0%)
- Yellow (16%)
- Black (28%)





- Cyan (75%)
- Magenta (28%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.2236, 0.2524, 0.3799 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 37.2236, 0.2524, 0.3799 by changing the saturation by 10% instead.


 37.2236, 0.2524,
0.3799


 37.2236, 0.2524,
0.3799


334.2776, 0.2838,
0.3529

 25.3807, 0.2441,
0.3872

 70.9165, 0.2641,
0.3697

 16.3609, 0.2333,
0.3969


 93.5353, 0.2684,
0.3660


 9.7799, 0.2185,
0.4104


 120.5149, 0.2720,
0.3629

 5.2533, 0.1971,
0.4306

 152.2396, 0.2751,
0.3603

 2.3966, 0.1639,
0.4634

 189.0938, 0.2778,
0.3580

 0.8241, 0.0000,
0.6176

231.4619, 0.2800,

 0.0000, 0.0000,

0.3561

0.0000

279.7284, 0.2821,
0.3544

■ 37.2236, 0.2524,
0.3799

■ 37.2236, 0.2524,
0.3799

■ 36.5720, 0.2488,
0.3891

■ 38.0840, 0.2579,
0.3709

■ 36.1041, 0.2471,
0.3984

■ 39.1669, 0.2651,
0.3622

■ 35.7952, 0.2473,
0.4076

■ 40.4896, 0.2739,
0.3539

■ 35.6852, 0.2477,
0.4116

■ 42.0668, 0.2838,
0.3461

■ 43.9117, 0.2946,
0.3390

■ 46.0367, 0.3061,
0.3324

■ 48.4535, 0.3179,
0.3265

■ 51.1730, 0.3300,
0.3212

■ 54.2055, 0.3419,
0.3165

Harmonies

Analogous

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



37.2236, 0.3076, 0.4291



37.2236, 0.2524, 0.3799



37.2236, 0.2156, 0.3165

Triad

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



37.2236, 0.2524, 0.3799



37.2236, 0.2524, 0.2341



37.2236, 0.4354, 0.3744

Complementary

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



37.2236, 0.2524, 0.3799



14.4035, 0.4696, 0.2906

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.



37.2236, 0.4196, 0.3271



37.2236, 0.2524, 0.3799



37.2236, 0.3081, 0.2505

Square

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



37.2236, 0.2524, 0.3799



37.2236, 0.2161, 0.2382



37.2236, 0.3709, 0.2834



37.2236, 0.4147, 0.4168

Rectangle

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



37.2236, 0.2524, 0.3799



37.2236, 0.2046, 0.2802



37.2236, 0.3709, 0.2834



37.2236, 0.4344, 0.3587

Sweetspot

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



37.2251, 0.2524, 0.3799



77.0194, 0.2894, 0.3423



36.5524, 0.3216, 0.5262



16.8102, 0.2864, 0.3443



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.



37.2251, 0.2524, 0.3799



65.0623, 0.2478, 0.3935



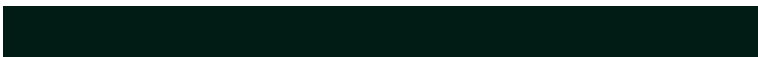
27.2516, 0.2240, 0.2777



10.1713, 0.3018, 0.3348



24.9037, 0.2474, 0.4105



0.8872, 0.2408, 0.3869

Inverse Universe

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



14.4035, 0.4696, 0.2906



21.1499, 0.5263, 0.2910



18.2453, 0.4915, 0.3685



9.0480, 0.3250, 0.3233



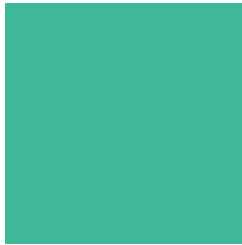
7.1685, 0.5900, 0.3024



0.2629, 0.5155, 0.2613

Previews

White Background



This preview shows how the Yxy color 37.2236, 0.2524, 0.3799 looks on a white background.

Color Contrast Check

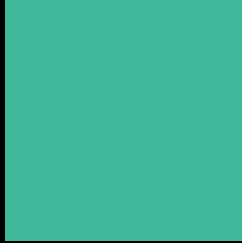
Large Text (above 18pt) WCAG AA × Fail

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 37.2236, 0.2524, 0.3799 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

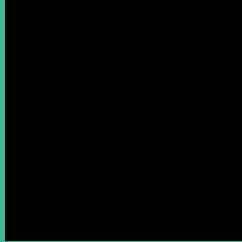
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.2236, 0.2524, 0.3799

Background



This preview shows how black text looks on a background with the Yxy color 37.2236, 0.2524, 0.3799.

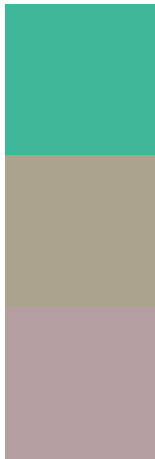


This preview shows how white text looks on a background with the Yxy color 37.2236, 0.2524, 0.3799.

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

37.2236, 0.2524, 0.3799

Protanopia

36.8053, 0.3395, 0.3593

Deuteranopia

36.6602, 0.3335, 0.3277



Tritanopia

37.3088, 0.2358, 0.3070

Trichromacy



Original Color

37.2236, 0.2524, 0.3799



Protanomaly

35.7303, 0.2987, 0.3670



Deuteranomaly

35.3901, 0.2941, 0.3444



Tritanomaly

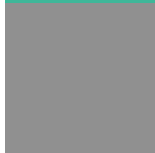
37.2733, 0.2414, 0.3320

Monochromacy



Original Color

37.2236, 0.2524, 0.3799



Achromatopsia

27.8894, 0.3127, 0.3290



Achromatomaly

30.2051, 0.2826, 0.3476

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.2236, 0.2524, 0.3799 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(63, 183, 153)` looks like.

```
.text, #text, p{  
    color:rgb(63, 183, 153)  
}
```

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(63, 183, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 183, 153) }
```

Border

The CSS property to change the border of an element to Yxy 37.2236, 0.2524, 0.3799 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(63, 183, 153) }
```

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

```
.border{ border-color:rgb(63, 183, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 183, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 183, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 183, 153);  
box-shadow:4px 4px 4px 4px rgb(63, 183,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 37.2236, 0.2524, 0.3799 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 183, 153) }
```

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

```
.background{ background-color: rgb(63, 183,  
153) }
```

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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