

Converting Colors

$Y_{xy}(37.4031, 0.2601, 0.4415)$

Have a look what the booklet for
Yxy(37.4031, 0.2601, 0.4415)
contains.

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Color

Yxy(37.2719, 0.2602, 0.4420)

Conversions

Conversions Part 1

Format	Color
Hex	1EBB7C
RGB	30, 187, 124
RGB Percent	12%, 73%, 49%
CMY	0.8829, 0.2666, 0.5137
CMYK	0.84, 0.00, 0.34, 0.27
HSL	156°, 72%, 43%
HSV	156°, 84%, 73%
XYZ	21.9415, 37.2719, 25.1122
YIQ	132.8750, -73.3490, -52.8770

Conversions

Conversions Part 2

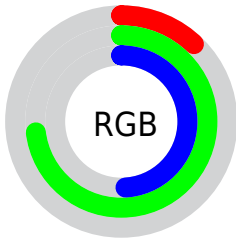
Format	Color
RYB	30, 128, 187
Decimal	2014076
CIELab	67.48, -53.11, 21.28
CIELCh	67, 57.212, 158.163
Yxy	37.2719, 0.2602, 0.4420
Android (android.graphics.Color)	4280204156 (0xFF1EBB7C)
YUV	132.8750, -4.3754, -90.2214
Hunter-Lab	61.0507, -42.6862, 18.3476

Details

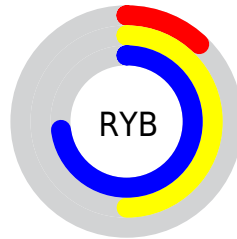
The Yxy color **37.2719, 0.2602, 0.4420** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **12.2748, 0.4911, 0.2629**, and the grayscale version is **23.4299, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.8789, 0.2715, 0.4173**, and **17.0105, 0.2647, 0.4729** is the 20% darker color. If you saturate the color by 10%, you get **36.8892, 0.2615, 0.4573**, and if you desaturate by 10%, it is **37.8385, 0.2609, 0.4265**.

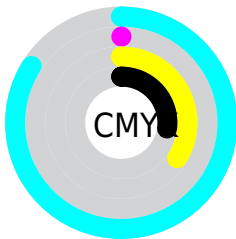
Distribution



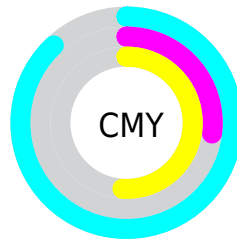
- Red (12%)
- Green (73%)
- Blue (49%)



- Red (12%)
- Yellow (50%)
- Blue (73%)



- Cyan (84%)
- Magenta (0%)
- Yellow (34%)
- Black (27%)





- Cyan (88%)
- Magenta (27%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.2719, 0.2602, 0.4420 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 37.2719, 0.2602, 0.4420 by changing the saturation by 10% instead.


 37.2719, 0.2602,
0.4420


 37.2719, 0.2602,
0.4420


334.4862, 0.2892,
0.3796


 25.4181, 0.2520,
0.4597


 70.9908, 0.2715,
0.4178


 16.3888, 0.2407,
0.4839


 93.6246, 0.2755,
0.4092


 9.7997, 0.2246,
0.5184


 120.6206, 0.2788,
0.4020

 5.2664, 0.1999,
0.5715

 152.3631, 0.2815,
0.3961

 2.4044, 0.1522,
0.6741

 189.2365, 0.2839,
0.3910

 0.8281, 0.0000,
1.0000

231.6252, 0.2859,

 0.0000, 0.0000,

0.3867

0.0000

279.9137, 0.2877,
0.3829

■ 37.2719, 0.2602,
0.4420

■ 37.2719, 0.2602,
0.4420

■ 36.8892, 0.2615,
0.4573

■ 37.8385, 0.2609,
0.4265

■ 36.7147, 0.2628,
0.4662

■ 38.6107, 0.2636,
0.4110

■ 39.6115, 0.2681,
0.3958

■ 40.8598, 0.2743,
0.3813

■ 42.3723, 0.2817,
0.3676

■ 44.1645, 0.2901,
0.3550

■ 46.2504, 0.2993,
0.3434

■ 48.6430, 0.3088,
0.3329

■ 51.3549, 0.3185,
0.3235

Harmonies

Analogous

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



37.2719, 0.3399, 0.4876



37.2719, 0.2602, 0.4420



37.2719, 0.1993, 0.3506

Triad

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



37.2719, 0.2602, 0.4420



37.2719, 0.2048, 0.2015



37.2719, 0.4798, 0.3545

Complementary

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



37.2719, 0.2602, 0.4420



12.2748, 0.4911, 0.2629

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.



37.2719, 0.4349, 0.2951



37.2719, 0.2602, 0.4420



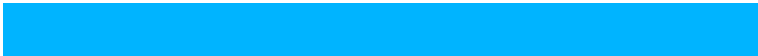
37.2719, 0.2667, 0.2118

Square

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



37.2719, 0.2602, 0.4420



37.2719, 0.1726, 0.2181



37.2719, 0.3518, 0.2449



37.2719, 0.4700, 0.4162

Rectangle

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



37.2719, 0.2602, 0.4420



37.2719, 0.1762, 0.2917



37.2719, 0.3518, 0.2449



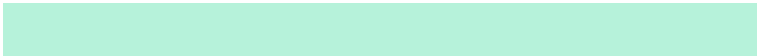
37.2719, 0.4708, 0.3342

Sweetspot

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



37.2734, 0.2602, 0.4420



78.6209, 0.2889, 0.3566



38.0878, 0.3336, 0.5583



17.0567, 0.2859, 0.3610



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.



37.2734, 0.2602, 0.4420



65.7022, 0.2635, 0.4685



34.1001, 0.2218, 0.3071



10.7430, 0.3037, 0.3384



25.3092, 0.2623, 0.4644



1.0040, 0.2523, 0.4282

Inverse Universe

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



12.2748, 0.4911, 0.2629



19.7864, 0.5416, 0.2757



12.3832, 0.5924, 0.3398



9.5980, 0.3227, 0.3198



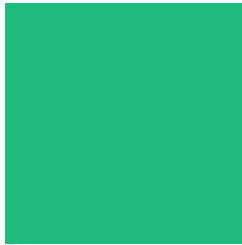
7.6423, 0.5346, 0.2719



0.3123, 0.4715, 0.2371

Previews

White Background



This preview shows how the Yxy color 37.2719, 0.2602, 0.4420 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 37.2719, 0.2602, 0.4420 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

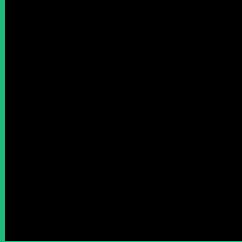
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.2719, 0.2602, 0.4420

Background



This preview shows how black text looks on a background with the Yxy color 37.2719, 0.2602, 0.4420.

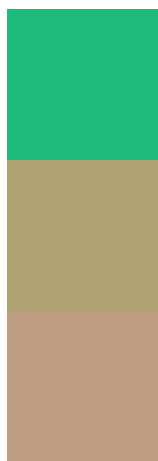


This preview shows how white text looks on a background with the Yxy color 37.2719, 0.2602, 0.4420.

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

37.2719, 0.2602, 0.4420

Protanopia

36.6394, 0.3705, 0.3988

Deuteranopia

36.6998, 0.3714, 0.3645



Tritanopia

36.9931, 0.2317, 0.3053

Trichromacy



Original Color

37.2719, 0.2602, 0.4420



Protanomaly

35.0240, 0.3128, 0.4183



Deuteranomaly

34.4693, 0.3133, 0.3939



Tritanomaly

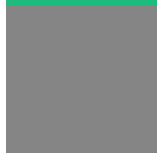
36.6871, 0.2405, 0.3506

Monochromacy



Original Color

37.2719, 0.2602, 0.4420



Achromatopsia

23.4551, 0.3127, 0.3290



Achromatomaly

26.8271, 0.2789, 0.3716

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.2719, 0.2602, 0.4420 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(30, 187, 124)` looks like.

```
.text, #text, p{  
    color:rgb(30, 187, 124)  
}
```

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(30, 187, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 187, 124) }
```

Border

The CSS property to change the border of an element to Yxy 37.2719, 0.2602, 0.4420 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(30, 187, 124) }
```

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

```
.border{ border-color:rgb(30, 187, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(30, 187, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 187, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 187, 124);  
box-shadow:4px 4px 4px 4px rgb(30, 187,  
124) }
```


Background

The CSS property to change the background color of an element to Yxy 37.2719, 0.2602, 0.4420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 187, 124) }
```

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

```
.background{ background-color: rgb(30, 187,  
124) }
```

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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