

Converting Colors

$Y_{xy}(37.0448, 0.2735, 0.5046)$

Have a look what the booklet for
Yxy(37.0448, 0.2735, 0.5046)
contains.

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Color

Yxy(37.1679, 0.2737, 0.5054)

Conversions

Conversions Part 1

Format	Color
Hex	00BD5C
RGB	0, 189, 92
RGB Percent	0%, 74%, 36%
CMY	1.0000, 0.2588, 0.6391
CMYK	1.00, 0.00, 0.51, 0.26
HSL	149°, 100%, 37%
HSV	149°, 100%, 74%
XYZ	20.1283, 37.1679, 16.2453
YIQ	121.4310, -81.5070, -70.2350

Conversions

Conversions Part 2

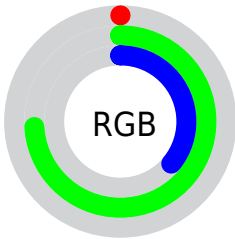
Format	Color
RYB	0, 127, 189
Decimal	48476
CIELab	67.40, -61.47, 37.72
CIELCh	67, 72.117, 148.462
Yxy	37.1679, 0.2737, 0.5054
Android (android.graphics.Color)	4278238556 (0xFF00BD5C)
YUV	121.4310, -14.5095, -106.4950
Hunter-Lab	60.9655, -47.7562, 26.8770

Details

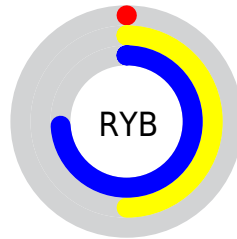
The Yxy color **37.1679, 0.2737, 0.5054** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **11.6821, 0.4907, 0.2477**, and the grayscale version is **19.3373, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.0765, 0.2841, 0.4672**, and **17.2174, 0.2866, 0.5518** is the 20% darker color. If you saturate the color by 10%, you get **37.1708, 0.2737, 0.5054**, and if you desaturate by 10%, it is **37.4889, 0.2709, 0.4870**.

Distribution



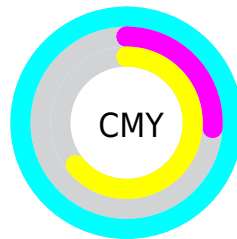
- Red (0%)
- Green (74%)
- Blue (36%)



- Red (0%)
- Yellow (50%)
- Blue (74%)



- Cyan (100%)
- Magenta (0%)
- Yellow (51%)
- Black (26%)





- Cyan (100%)
- Magenta (26%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.1679, 0.2737, 0.5054 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 37.1679, 0.2737, 0.5054 by changing the saturation by 10% instead.

 37.1679, 0.2737,
0.5054


 37.1679, 0.2737,
0.5054


334.0369, 0.2985,
0.4063


 25.3375, 0.2653,
0.5337


 70.8309, 0.2842,
0.4667


 16.3287, 0.2531,
0.5719


 93.4324, 0.2877,
0.4530


 9.7570, 0.2342,
0.6257


 120.3930, 0.2905,
0.4417

 5.2382, 0.2034,
0.7068

 152.0971, 0.2927,
0.4323

 2.3877, 0.1217,
0.8783

 188.9292, 0.2945,
0.4243

 0.8195, 0.0000,
1.0000

 231.2735, 0.2961,

 0.0000, 0.0000,

0.4174

0.0000

279.5146, 0.2974,
0.4115

■ 37.1679, 0.2737,
0.5054

■ 37.1679, 0.2737,
0.5054

■ 37.1708, 0.2737,
0.5054

■ 37.4889, 0.2709,
0.4870

■ 37.9630, 0.2696,
0.4676

■ 38.6422, 0.2702,
0.4476

■ 39.5516, 0.2728,
0.4276

■ 40.7127, 0.2770,
0.4081

■ 42.1440, 0.2827,
0.3895

■ 43.8626, 0.2893,
0.3722

■ 45.8840, 0.2968,
0.3563

■ 48.2224, 0.3046,
0.3419

Harmonies

Analogous

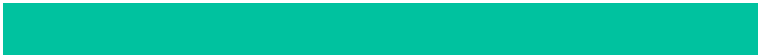
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



37.1679, 0.3713, 0.5282



37.1679, 0.2737, 0.5054



37.1679, 0.1919, 0.3951

Triad

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



37.1679, 0.2737, 0.5054



37.1679, 0.1664, 0.1779



37.1679, 0.5111, 0.3304

Complementary

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



37.1679, 0.2737, 0.5054



11.6821, 0.4907, 0.2477

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.



37.1679, 0.4353, 0.2647



37.1679, 0.2737, 0.5054



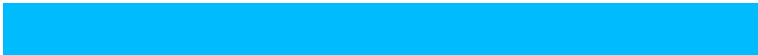
37.1679, 0.2270, 0.1816

Square

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



37.1679, 0.2737, 0.5054



37.1679, 0.1406, 0.2063



37.1679, 0.3236, 0.2120



37.1679, 0.5156, 0.4022

Rectangle

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



37.1679, 0.2737, 0.5054



37.1679, 0.1577, 0.3126



37.1679, 0.3236, 0.2120



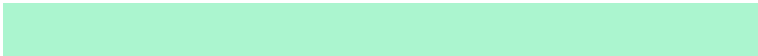
37.1679, 0.4930, 0.3076

Sweetspot

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



37.1708, 0.2737, 0.5054



78.3932, 0.2890, 0.3730



38.9749, 0.3388, 0.5692



16.5675, 0.2861, 0.3802



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.



37.1708, 0.2737, 0.5054



66.5206, 0.2745, 0.5081



39.9365, 0.2261, 0.3338



10.7250, 0.3052, 0.3410



25.0234, 0.2731, 0.5031



0.9934, 0.2606, 0.4581

Inverse Universe

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



11.6821, 0.4907, 0.2477



20.8726, 0.4940, 0.2495



10.8264, 0.6384, 0.3290



9.6159, 0.3210, 0.3173



7.8751, 0.4880, 0.2462



0.3217, 0.4376, 0.2184

Previews

White Background



This preview shows how the Yxy color 37.1679, 0.2737, 0.5054 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 37.1679, 0.2737, 0.5054 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 37.1679, 0.2737, 0.5054

Background



This preview shows how black text looks on a background with the Yxy color 37.1679, 0.2737, 0.5054.



This preview shows how white text looks on a background with the Yxy color 37.1679, 0.2737, 0.5054.

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

37.1679, 0.2737, 0.5054

Protanopia

36.5222, 0.4011, 0.4375

Deuteranopia

36.5868, 0.4083, 0.4009



Tritanopia

37.1075, 0.2328, 0.3054

Trichromacy



Original Color

37.1679, 0.2737, 0.5054



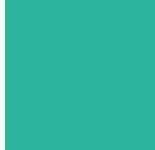
Protanomaly

33.8218, 0.3291, 0.4736



Deuteranomaly

33.2471, 0.3307, 0.4458



Tritanomaly

36.4370, 0.2446, 0.3736

Monochromacy



Original Color

37.1679, 0.2737, 0.5054



Achromatopsia

19.1202, 0.3127, 0.3290



Achromatomaly

23.2613, 0.2795, 0.4024

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.1679, 0.2737, 0.5054 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(0, 189, 92)` looks like.

```
.text, #text, p{  
    color:rgb(0, 189, 92)  
}
```

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(0, 189, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 189, 92) }
```

Border

The CSS property to change the border of an element to Yxy 37.1679, 0.2737, 0.5054 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(0, 189, 92) }
```

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

```
.border{ border-color:rgb(0, 189, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 189, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 189, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 189, 92);  
box-shadow:4px 4px 4px 4px rgb(0, 189, 92)  
}
```


Background

The CSS property to change the background color of an element to Yxy 37.1679, 0.2737, 0.5054 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 189, 92) }
```

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

```
.background{ background-color: rgb(0, 189,  
92) }
```

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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