

Converting Colors

$Y_{xy}(36.8768, 0.2784, 0.5222)$

Have a look what the booklet for
Yxy(36.8768, 0.2784, 0.5222)
contains.

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Color

Yxy(37.0044, 0.2785, 0.5226)

Conversions

Conversions Part 1

Format	Color
Hex	00BD52
RGB	0, 189, 82
RGB Percent	0%, 74%, 32%
CMY	1.0000, 0.2588, 0.6785
CMYK	1.00, 0.00, 0.57, 0.26
HSL	146°, 100%, 37%
HSV	146°, 100%, 74%
XYZ	19.7201, 37.0044, 14.0838
YIQ	120.2910, -78.2970, -73.3450

Conversions

Conversions Part 2

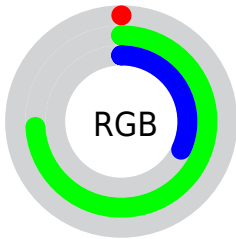
Format	Color
RYB	0, 132, 189
Decimal	48466
CIELab	67.28, -62.97, 42.44
CIELCh	67, 75.933, 146.019
Yxy	37.0044, 0.2785, 0.5226
Android (android.graphics.Color)	4278238546 (0xFF00BD52)
YUV	120.2910, -18.8775, -105.4952
Hunter-Lab	60.8312, -48.5890, 28.8549

Details

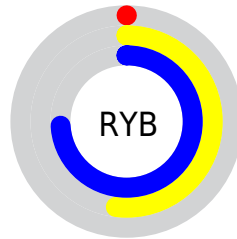
The Yxy color **37.0044, 0.2785, 0.5226** is a dark color, and the websafe version is hex **00CC66**. A complement of this color would be **11.8811, 0.4683, 0.2353**, and the grayscale version is **18.9613, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.8394, 0.2890, 0.4805**, and **17.1491, 0.2918, 0.5704** is the 20% darker color. If you saturate the color by 10%, you get **37.0060, 0.2785, 0.5226**, and if you desaturate by 10%, it is **37.3192, 0.2755, 0.5032**.

Distribution



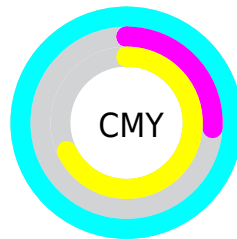
- Red (0%)
- Green (74%)
- Blue (32%)



- Red (0%)
- Yellow (52%)
- Blue (74%)



- Cyan (100%)
- Magenta (0%)
- Yellow (57%)
- Black (26%)



- Cyan (100%)
- Magenta (26%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.0044, 0.2785, 0.5226 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 37.0044, 0.2785, 0.5226 by changing the saturation by 10% instead.


 37.0044, 0.2785,
0.5226


 37.0044, 0.2785,
0.5226

333.3296, 0.3019,
0.4137

 25.2109, 0.2700,
0.5535


 70.5796, 0.2888,
0.4802

 16.2343, 0.2573,
0.5949


 93.1300, 0.2921,
0.4651

 9.6901, 0.2371,
0.6523


 120.0349, 0.2947,
0.4526

 5.1940, 0.2065,
0.7473

 151.6786, 0.2967,
0.4423

 2.3615, 0.1064,
0.8936

 188.4455, 0.2984,
0.4335

 0.8060, 0.0000,
1.0000

 230.7200, 0.2998,

 0.0000, 0.0000,

0.4259

0.0000

278.8866, 0.3009,
0.4194

■ 37.0044, 0.2785,
0.5226

■ 37.0044, 0.2785,
0.5226

■ 37.0060, 0.2785,
0.5226

■ 37.3192, 0.2755,
0.5032

■ 37.7924, 0.2739,
0.4823

■ 38.4751, 0.2742,
0.4605

■ 39.3926, 0.2764,
0.4384

■ 40.5666, 0.2802,
0.4168

■ 42.0159, 0.2853,
0.3961

■ 43.7578, 0.2914,
0.3769

■ 45.8080, 0.2982,
0.3592

■ 48.1810, 0.3054,
0.3433

Harmonies

Analogous

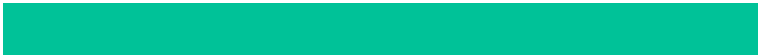
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



37.0044, 0.3801, 0.5356



37.0044, 0.2785, 0.5226



37.0044, 0.1913, 0.4098

Triad

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



37.0044, 0.2785, 0.5226



37.0044, 0.1570, 0.1727



37.0044, 0.5176, 0.3231

Complementary

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



37.0044, 0.2785, 0.5226



11.8811, 0.4683, 0.2353

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.



37.0044, 0.4327, 0.2563



37.0044, 0.2785, 0.5226



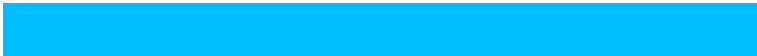
37.0044, 0.2162, 0.1743

Square

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



37.0044, 0.2785, 0.5226



37.0044, 0.1332, 0.2044



37.0044, 0.3143, 0.2036



37.0044, 0.5270, 0.3965

Rectangle

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



37.0044, 0.2785, 0.5226



37.0044, 0.1541, 0.3206



37.0044, 0.3143, 0.2036



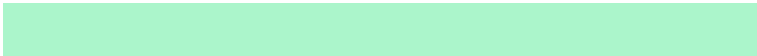
37.0044, 0.4967, 0.2999

Sweetspot

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



37.0060, 0.2785, 0.5226



78.2045, 0.2911, 0.3777



39.5290, 0.3460, 0.5635



16.5230, 0.2885, 0.3857



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.



37.0060, 0.2785, 0.5226



66.2286, 0.2793, 0.5254



39.5475, 0.2304, 0.3495



10.7165, 0.3059, 0.3423



24.9124, 0.2778, 0.5202



0.9890, 0.2645, 0.4721

Inverse Universe

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



11.8811, 0.4683, 0.2353



21.2290, 0.4712, 0.2369



10.8474, 0.6332, 0.3262



9.6244, 0.3202, 0.3161



8.0092, 0.4659, 0.2340



0.3266, 0.4222, 0.2100

Previews

White Background



This preview shows how the Yxy color 37.0044, 0.2785, 0.5226 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 37.0044, 0.2785, 0.5226 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 37.0044, 0.2785, 0.5226

Background



This preview shows how black text looks on a background with the Yxy color 37.0044, 0.2785, 0.5226.



This preview shows how white text looks on a background with the Yxy color 37.0044, 0.2785, 0.5226.

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

37.0044, 0.2785, 0.5226

Protanopia

36.3921, 0.4078, 0.4476

Deuteranopia

36.2038, 0.4191, 0.4112



Tritanopia

37.1024, 0.2337, 0.3069

Trichromacy



Original Color

37.0044, 0.2785, 0.5226



Protanomaly

33.6857, 0.3350, 0.4871



Deuteranomaly

32.7776, 0.3394, 0.4601



Tritanomaly

36.3272, 0.2471, 0.3809

Monochromacy



Original Color

37.0044, 0.2785, 0.5226



Achromatopsia

18.7821, 0.3127, 0.3290



Achromatomaly

22.8279, 0.2818, 0.4095

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.0044, 0.2785, 0.5226 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, 82)` looks like.

```
.text, #text, p{  
    color:rgb(0, 189, 82)  
}
```

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, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 189, 82) }
```

Border

The CSS property to change the border of an element to Yxy 37.0044, 0.2785, 0.5226 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, 82) }
```

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

```
.border{ border-color:rgb(0, 189, 82) }
```

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, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 189, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 189, 82);  
box-shadow:4px 4px 4px 4px rgb(0, 189, 82)  
}
```


Background

The CSS property to change the background color of an element to Yxy 37.0044, 0.2785, 0.5226 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, 82) }
```

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

```
.background{ background-color: rgb(0, 189,  
82) }
```

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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