

Converting Colors

$Y_{xy}(37.7463, 0.2866, 0.5517)$

Have a look what the booklet for
Yxy(37.7463, 0.2866, 0.5517)
contains.

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Color

Yxy(37.6318, 0.2864, 0.5512)

Conversions

Conversions Part 1

Format	Color
Hex	00BF40
RGB	0, 191, 64
RGB Percent	0%, 75%, 25%
CMY	1.0000, 0.2509, 0.7489
CMYK	1.00, 0.00, 0.66, 0.25
HSL	140°, 100%, 37%
HSV	140°, 100%, 75%
XYZ	19.5532, 37.6318, 11.0875
YIQ	119.4130, -73.0690, -79.9890

Conversions

Conversions Part 2

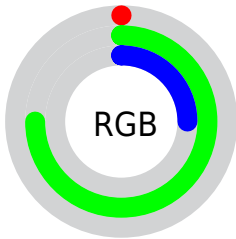
Format	Color
RYB	0, 143, 191
Decimal	48960
CIELab	67.75, -65.82, 51.00
CIELCh	68, 83.266, 142.230
Yxy	37.6318, 0.2864, 0.5512
Android (android.graphics.Color)	4278239040 (0xFF00BF40)
YUV	119.4130, -27.3186, -104.7252
Hunter-Lab	61.3448, -50.4576, 32.2253

Details

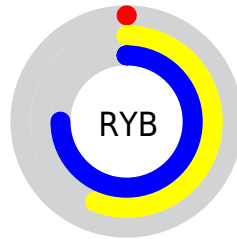
The Yxy color **37.6318, 0.2864, 0.5512** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **12.6092, 0.4284, 0.2134**, and the grayscale version is **18.6942, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.6884, 0.2967, 0.5036**, and **17.6083, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **37.6358, 0.2864, 0.5512**, and if you desaturate by 10%, it is **37.9367, 0.2834, 0.5313**.

Distribution



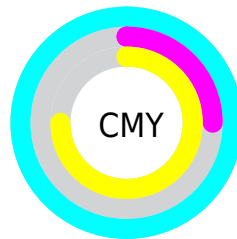
- Red (0%)
- Green (75%)
- Blue (25%)



- Red (0%)
- Yellow (56%)
- Blue (75%)



- Cyan (100%)
- Magenta (0%)
- Yellow (66%)
- Black (25%)





- Cyan (100%)
- Magenta (25%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.6318, 0.2864, 0.5512 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 37.6318, 0.2864, 0.5512 by changing the saturation by 10% instead.


 37.6318, 0.2864,
0.5512

 37.6318, 0.2864,
0.5512


336.0378, 0.3078,
0.4268

 25.6970, 0.2775,
0.5856


 71.5434, 0.2966,
0.5032

 16.5971, 0.2636,
0.6307


 94.2891, 0.2997,
0.4859


 9.9477, 0.2409,
0.6907


 121.4072, 0.3020,
0.4717

 5.3643, 0.2077,
0.7923

 153.2821, 0.3037,
0.4598

 2.4625, 0.0957,
0.9043

 190.2982, 0.3051,
0.4496

 0.8578, 0.0000,
1.0000

232.8400, 0.3062,

 0.0000, 0.0000,

0.4409

0.0000

281.2917, 0.3071,
0.4334

■ 37.6318, 0.2864,
0.5512

■ 37.6318, 0.2864,
0.5512

■ 37.6358, 0.2864,
0.5512

■ 37.9367, 0.2834,
0.5313

■ 38.4097, 0.2816,
0.5087

■ 39.1058, 0.2815,
0.4840

■ 40.0521, 0.2830,
0.4584

■ 41.2712, 0.2861,
0.4329

■ 42.7833, 0.2903,
0.4085

■ 44.6066, 0.2953,
0.3856

■ 46.7578, 0.3009,
0.3647

■ 49.2523, 0.3068,
0.3458

Harmonies

Analogous

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



37.6318, 0.3943, 0.5455



37.6318, 0.2864, 0.5512



37.6318, 0.1906, 0.4367

Triad

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



37.6318, 0.2864, 0.5512



37.6318, 0.1419, 0.1642



37.6318, 0.5277, 0.3107

Complementary

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



37.6318, 0.2864, 0.5512



12.6092, 0.4284, 0.2134

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.



37.6318, 0.4271, 0.2423



37.6318, 0.2864, 0.5512



37.6318, 0.1986, 0.1626

Square

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



37.6318, 0.2864, 0.5512



37.6318, 0.1213, 0.2015



37.6318, 0.2982, 0.1898



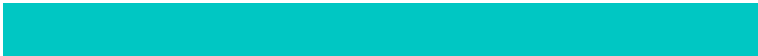
37.6318, 0.5459, 0.3863

Rectangle

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



37.6318, 0.2864, 0.5512



37.6318, 0.1482, 0.3355



37.6318, 0.2982, 0.1898



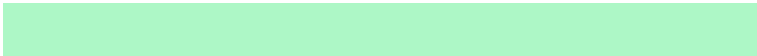
37.6318, 0.5018, 0.2869

Sweetspot

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



37.6358, 0.2864, 0.5512



79.7147, 0.2951, 0.3867



41.8034, 0.3617, 0.5510



17.1857, 0.2928, 0.3962



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



37.6358, 0.2864, 0.5512



67.3590, 0.2872, 0.5539



39.7745, 0.2397, 0.3827



10.7010, 0.3072, 0.3446



24.7449, 0.2858, 0.5487



0.9817, 0.2715, 0.4975

Inverse Universe

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



12.6092, 0.4284, 0.2134



22.5339, 0.4305, 0.2145



11.1809, 0.6162, 0.3168



9.6404, 0.3187, 0.3139



8.3013, 0.4266, 0.2124



0.3369, 0.3953, 0.1951

Previews

White Background



This preview shows how the Yxy color 37.6318, 0.2864, 0.5512 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 37.6318, 0.2864, 0.5512 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 37.6318, 0.2864, 0.5512

Background



This preview shows how black text looks on a background with the Yxy color 37.6318, 0.2864, 0.5512.



This preview shows how white text looks on a background with the Yxy color 37.6318, 0.2864, 0.5512.

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

37.6318, 0.2864, 0.5512

Protanopia

36.9136, 0.4209, 0.4632

Deuteranopia

36.8415, 0.4355, 0.4277



Tritanopia

37.6682, 0.2348, 0.3070

Trichromacy



Original Color

37.6318, 0.2864, 0.5512



Protanomaly

34.3114, 0.3448, 0.5110



Deuteranomaly

33.4980, 0.3532, 0.4853



Tritanomaly

36.5953, 0.2515, 0.3935

Monochromacy



Original Color

37.6318, 0.2864, 0.5512



Achromatopsia

18.4475, 0.3127, 0.3290



Achromatomaly

22.6881, 0.2875, 0.4247

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.6318, 0.2864, 0.5512 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, 191, 64)` looks like.

```
.text, #text, p{  
    color:rgb(0, 191, 64)  
}
```

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, 191, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 191, 64) }
```

Border

The CSS property to change the border of an element to Yxy 37.6318, 0.2864, 0.5512 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, 191, 64) }
```

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

```
.border{ border-color:rgb(0, 191, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 191, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 191, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 191, 64);  
box-shadow:4px 4px 4px 4px rgb(0, 191, 64)  
}
```


Background

The CSS property to change the background color of an element to Yxy 37.6318, 0.2864, 0.5512 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 191, 64) }
```

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

```
.background{ background-color: rgb(0, 191,  
64) }
```

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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