

Converting Colors

$Y_{xy}(37.4224, 0.3015, 0.5279)$

Have a look what the booklet for
Yxy(37.4224, 0.3015, 0.5279)
contains.

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Color

Yxy(37.2245, 0.3018, 0.5277)

Conversions

Conversions Part 1

Format	Color
Hex	44BB47
RGB	68, 187, 71
RGB Percent	27%, 73%, 28%
CMY	0.7335, 0.2666, 0.7215
CMYK	0.64, 0.00, 0.62, 0.27
HSL	122°, 47%, 50%
HSV	122°, 64%, 73%
XYZ	21.2893, 37.2245, 12.0272
YIQ	138.1950, -33.6880, -61.3040

Conversions

Conversions Part 2

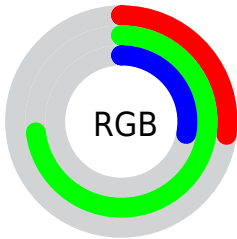
Format	Color
RYB	68, 184, 187
Decimal	4504391
CIELab	67.45, -56.02, 47.91
CIELCh	67, 73.716, 139.465
Yxy	37.2245, 0.3018, 0.5277
Android (android.graphics.Color)	4282694471 (0xFF44BB47)
YUV	138.1950, -33.1271, -61.5610
Hunter-Lab	61.0119, -44.4856, 31.0205

Details

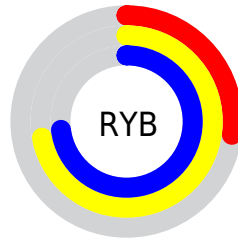
The Yxy color **37.2245, 0.3018, 0.5277** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **18.1516, 0.3233, 0.1880**, and the grayscale version is **25.6288, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.7986, 0.3085, 0.4855**, and **16.5342, 0.2972, 0.5898** is the 20% darker color. If you saturate the color by 10%, you get **36.4581, 0.3006, 0.5567**, and if you desaturate by 10%, it is **38.2784, 0.3033, 0.4945**.

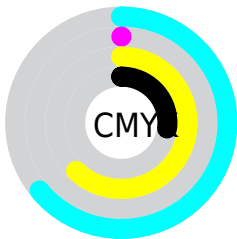
Distribution



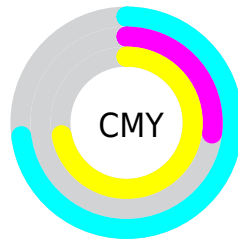
- Red (27%)
- Green (73%)
- Blue (28%)



- Red (27%)
- Yellow (72%)
- Blue (73%)



- Cyan (64%)
- Magenta (0%)
- Yellow (62%)
- Black (27%)




- Cyan (73%)
- Magenta (27%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.2245, 0.3018, 0.5277 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 37.2245, 0.3018, 0.5277 by changing the saturation by 10% instead.


 37.2245, 0.3018,
0.5277


 37.2245, 0.3018,
0.5277


334.2815, 0.3139,
0.4171


 25.3814, 0.2958,
0.5582


 70.9179, 0.3082,
0.4851


 16.3614, 0.2859,
0.5984


 93.5370, 0.3100,
0.4698


 9.7803, 0.2688,
0.6525


 120.5169, 0.3112,
0.4572

 5.2535, 0.2465,
0.7535

 152.2419, 0.3121,
0.4466

 2.3968, 0.1634,
0.8366

 189.0964, 0.3128,
0.4375

 0.8242, 0.0000,
1.0000

231.4650, 0.3132,

 0.0000, 0.0000,

0.4298

0.0000

279.7318, 0.3136,
0.4230

■ 37.2245, 0.3018,
0.5277

■ 37.2245, 0.3018,
0.5277

■ 36.4581, 0.3006,
0.5567

■ 38.2784, 0.3033,
0.4945

■ 35.9470, 0.2999,
0.5790

■ 39.6394, 0.3051,
0.4596

■ 35.6593, 0.2997,
0.5932

■ 41.3306, 0.3070,
0.4252

■ 35.5543, 0.2996,
0.5984

■ 43.3716, 0.3088,
0.3930

■ 45.7805, 0.3105,
0.3637

■ 48.5741, 0.3122,
0.3377

■ 51.7683, 0.3136,
0.3150

■ 55.3781, 0.3149,
0.2954

■ 59.4175, 0.3161,
0.2785

Harmonies

Analogous

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



37.2245, 0.4006, 0.5211



37.2245, 0.3018, 0.5277



37.2245, 0.2109, 0.4358

Triad

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



37.2245, 0.3018, 0.5277



37.2245, 0.1527, 0.1802



37.2245, 0.4991, 0.3091

Complementary

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



37.2245, 0.3018, 0.5277



18.1516, 0.3233, 0.1880

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.



37.2245, 0.4048, 0.2455



37.2245, 0.3018, 0.5277



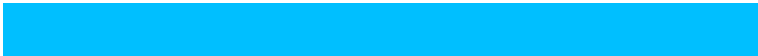
37.2245, 0.2029, 0.1751

Square

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



37.2245, 0.3018, 0.5277



37.2245, 0.1364, 0.2203



37.2245, 0.2908, 0.1982



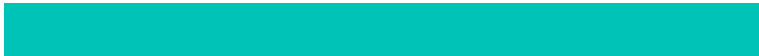
37.2245, 0.5257, 0.3801

Rectangle

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



37.2245, 0.3018, 0.5277



37.2245, 0.1682, 0.3484



37.2245, 0.2908, 0.1982



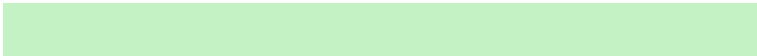
37.2245, 0.4735, 0.2867

Sweetspot

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



37.2261, 0.3018, 0.5277



79.4689, 0.3096, 0.3798



46.2776, 0.3984, 0.4749



17.2361, 0.3091, 0.3884



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.



37.2261, 0.3018, 0.5277



64.9146, 0.3003, 0.5655



38.3681, 0.2695, 0.4283



10.6535, 0.3113, 0.3521



24.4968, 0.2995, 0.5980



0.9609, 0.2973, 0.5904

Inverse Universe

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



18.1516, 0.3233, 0.1880



28.1053, 0.3252, 0.1706



16.1870, 0.4122, 0.2538



9.6919, 0.3142, 0.3070



9.6130, 0.3274, 0.1577



0.3779, 0.3257, 0.1568

Previews

White Background



This preview shows how the Yxy color 37.2245, 0.3018, 0.5277 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 37.2245, 0.3018, 0.5277 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 37.2245, 0.3018, 0.5277

Background



This preview shows how black text looks on a background with the Yxy color 37.2245, 0.3018, 0.5277.



This preview shows how white text looks on a background with the Yxy color 37.2245, 0.3018, 0.5277.

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

37.2245, 0.3018, 0.5277

Protanopia

36.5096, 0.4166, 0.4566

Deuteranopia

36.4394, 0.4314, 0.4220



Tritanopia

36.9307, 0.2459, 0.3072

Trichromacy



Original Color

37.2245, 0.3018, 0.5277



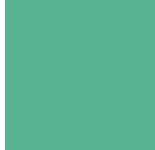
Protanomaly

35.5730, 0.3660, 0.4867



Deuteranomaly

34.9456, 0.3747, 0.4628



Tritanomaly

36.3418, 0.2672, 0.3847

Monochromacy



Original Color

37.2245, 0.3018, 0.5277



Achromatopsia

25.4152, 0.3127, 0.3290



Achromatomaly

28.5025, 0.3082, 0.4042

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.2245, 0.3018, 0.5277 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(68, 187, 71)` looks like.

```
.text, #text, p{  
    color:rgb(68, 187, 71)  
}
```

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(68, 187, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 187, 71) }
```

Border

The CSS property to change the border of an element to Yxy 37.2245, 0.3018, 0.5277 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(68, 187, 71) }
```

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

```
.border{ border-color:rgb(68, 187, 71) }
```

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

Here you see how a box with a 4 pixel rgb(68, 187, 71) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 187, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 187, 71);  
box-shadow:4px 4px 4px 4px rgb(68, 187,  
71) }
```


Background

The CSS property to change the background color of an element to Yxy 37.2245, 0.3018, 0.5277 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 187, 71) }
```

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

```
.background{ background-color: rgb(68, 187,  
71) }
```

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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