

Converting Colors

Yxy(37.9721, 0.3120, 0.5194)

Have a look what the booklet for
Yxy(37.9721, 0.3120, 0.5194)
contains.

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Color

Yxy(37.9870, 0.3119, 0.5202)

Conversions

Conversions Part 1

Format	Color
Hex	56BB48
RGB	86, 187, 72
RGB Percent	34%, 73%, 28%
CMY	0.6628, 0.2666, 0.7177
CMYK	0.54, 0.00, 0.62, 0.27
HSL	113°, 46%, 51%
HSV	113°, 62%, 73%
XYZ	22.7761, 37.9870, 12.2607
YIQ	143.6910, -23.2810, -57.1770

Conversions

Conversions Part 2

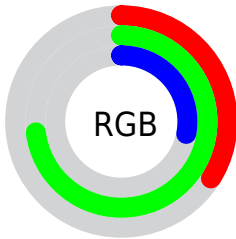
Format	Color
RYB	72, 187, 173
Decimal	5684040
CIELab	68.01, -51.55, 48.27
CIELCh	68, 70.622, 136.885
Yxy	37.9870, 0.3119, 0.5202
Android (android.graphics.Color)	4283874120 (0xFF56BB48)
YUV	143.6910, -35.3437, -50.5950
Hunter-Lab	61.6336, -41.8957, 31.3490

Details

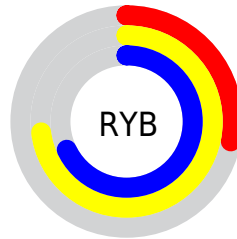
The Yxy color **37.9870, 0.3119, 0.5202** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **17.1080, 0.3020, 0.1811**, and the grayscale version is **27.9093, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.0859, 0.3165, 0.4804**, and **16.8877, 0.2998, 0.5870** is the 20% darker color. If you saturate the color by 10%, you get **37.0886, 0.3100, 0.5498**, and if you desaturate by 10%, it is **39.1420, 0.3132, 0.4870**.

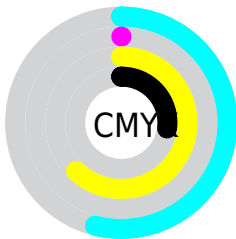
Distribution



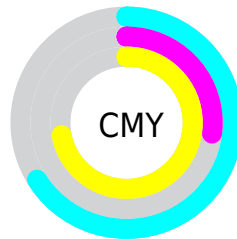
- Red (34%)
- Green (73%)
- Blue (28%)



- Red (28%)
- Yellow (73%)
- Blue (68%)



- Cyan (54%)
- Magenta (0%)
- Yellow (62%)
- Black (27%)




- Cyan (66%)
- Magenta (27%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.9870, 0.3119, 0.5202 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 37.9870, 0.3119, 0.5202 by changing the saturation by 10% instead.


 37.9870, 0.3119,
0.5202


 37.9870, 0.3119,
0.5202

337.5642, 0.3184,
0.4148


 25.9726, 0.3075,
0.5489


 72.0882, 0.3162,
0.4799


 16.8031, 0.2997,
0.5865


 94.9438, 0.3172,
0.4653

 10.0942, 0.2857,
0.6368


 122.1819, 0.3178,
0.4532

 5.4615, 0.2684,
0.7313

 154.1870, 0.3181,
0.4430

 2.5205, 0.2017,
0.7983

 191.3433, 0.3183,
0.4344

 0.8869, 0.0000,
1.0000

234.0354, 0.3184,

 0.0000, 0.0000,

0.4269

0.0000

282.6475, 0.3184,
0.4205

■ 37.9870, 0.3119,
0.5202

■ 37.9870, 0.3119,
0.5202

■ 37.0886, 0.3100,
0.5498

■ 39.1420, 0.3132,
0.4870

■ 36.4226, 0.3077,
0.5734

■ 40.5661, 0.3139,
0.4526

■ 35.9682, 0.3050,
0.5893

■ 42.2767, 0.3142,
0.4189

■ 35.7225, 0.3031,
0.5975

■ 44.2885, 0.3140,
0.3872

■ 46.6150, 0.3135,
0.3584

■ 49.2691, 0.3128,
0.3326

■ 52.2626, 0.3120,
0.3099

■ 55.6072, 0.3112,
0.2901

■ 59.3136, 0.3102,
0.2730

Harmonies

Analogous

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



37.9870, 0.4064, 0.5094



37.9870, 0.3119, 0.5202



37.9870, 0.2225, 0.4403

Triad

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



37.9870, 0.3119, 0.5202



37.9870, 0.1559, 0.1879



37.9870, 0.4847, 0.3052

Complementary

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



37.9870, 0.3119, 0.5202



17.1080, 0.3020, 0.1811

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.



37.9870, 0.3913, 0.2443



37.9870, 0.3119, 0.5202



37.9870, 0.2018, 0.1800

Square

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



37.9870, 0.3119, 0.5202



37.9870, 0.1428, 0.2308



37.9870, 0.2835, 0.2001



37.9870, 0.5173, 0.3739

Rectangle

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



37.9870, 0.3119, 0.5202



37.9870, 0.1787, 0.3585



37.9870, 0.2835, 0.2001



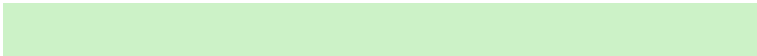
37.9870, 0.4585, 0.2837

Sweetspot

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



37.9886, 0.3119, 0.5202



80.5903, 0.3139, 0.3776



40.4133, 0.4095, 0.4552



17.4908, 0.3140, 0.3864



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.



37.9886, 0.3119, 0.5202



65.9333, 0.3092, 0.5593



38.1394, 0.2806, 0.4555



10.7037, 0.3134, 0.3526



24.6286, 0.3035, 0.5972



0.9832, 0.3148, 0.5882

Inverse Universe

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



17.1080, 0.3020, 0.1811



25.2647, 0.2981, 0.1586



17.2385, 0.3786, 0.2338



9.6358, 0.3119, 0.3063



7.9499, 0.2908, 0.1375



0.3282, 0.2984, 0.1418

Previews

White Background



This preview shows how the Yxy color 37.9870, 0.3119, 0.5202 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 37.9870, 0.3119, 0.5202 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 37.9870, 0.3119, 0.5202

Background



This preview shows how black text looks on a background with the Yxy color 37.9870, 0.3119, 0.5202.



This preview shows how white text looks on a background with the Yxy color 37.9870, 0.3119, 0.5202.

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

37.9870, 0.3119, 0.5202

Protanopia

37.3709, 0.4147, 0.4562

Deuteranopia

37.4045, 0.4310, 0.4223



Tritanopia

37.6491, 0.2529, 0.3077

Trichromacy



Original Color

37.9870, 0.3119, 0.5202



Protanomaly

36.6004, 0.3718, 0.4826



Deuteranomaly

36.0289, 0.3806, 0.4590



Tritanomaly

37.0822, 0.2758, 0.3835

Monochromacy



Original Color

37.9870, 0.3119, 0.5202



Achromatopsia

27.8894, 0.3127, 0.3290



Achromatomaly

30.6606, 0.3140, 0.4010

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.9870, 0.3119, 0.5202 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(86, 187, 72)` looks like.

```
.text, #text, p{  
    color:rgb(86, 187, 72)  
}
```

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(86, 187, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 187, 72) }
```

Border

The CSS property to change the border of an element to Yxy 37.9870, 0.3119, 0.5202 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(86, 187, 72) }
```

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

```
.border{ border-color:rgb(86, 187, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 187, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 187, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 187, 72);  
box-shadow:4px 4px 4px 4px rgb(86, 187,  
72) }
```


Background

The CSS property to change the background color of an element to Yxy 37.9870, 0.3119, 0.5202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 187, 72) }
```

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

```
.background{ background-color: rgb(86, 187,  
72) }
```

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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