

Converting Colors

Yxy(36.8454, 0.3221, 0.4924)

Have a look what the booklet for
Yxy(36.8454, 0.3221, 0.4924)
contains.

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Color

Yxy(36.7211, 0.3219, 0.4928)

Conversions

Conversions Part 1

Format	Color
Hex	6AB552
RGB	106, 181, 82
RGB Percent	42%, 71%, 32%
CMY	0.5845, 0.2902, 0.6784
CMYK	0.41, 0.00, 0.55, 0.29
HSL	105°, 40%, 52%
HSV	105°, 55%, 71%
XYZ	23.9864, 36.7211, 13.8077
YIQ	147.2890, -12.9210, -46.6890

Conversions

Conversions Part 2

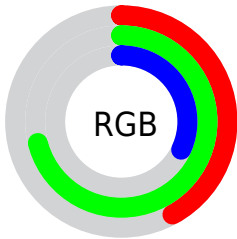
Format	Color
RYB	82, 181, 157
Decimal	6993234
CIELab	67.07, -42.08, 42.74
CIElCh	67, 59.977, 134.554
Yxy	36.7211, 0.3219, 0.4928
Android (android.graphics.Color)	4285183314 (0xFF6AB552)
YUV	147.2890, -32.1875, -36.2105
Hunter-Lab	60.5979, -35.3908, 28.9089

Details

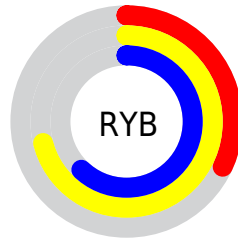
The Yxy color **36.7211, 0.3219, 0.4928** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **16.5479, 0.2892, 0.1893**, and the grayscale version is **29.4397, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.8667, 0.3230, 0.4579**, and **15.9558, 0.3156, 0.5502** is the 20% darker color. If you saturate the color by 10%, you get **35.7083, 0.3210, 0.5238**, and if you desaturate by 10%, it is **37.9443, 0.3217, 0.4600**.

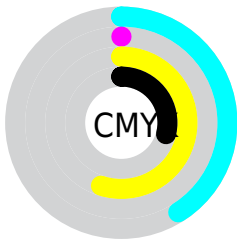
Distribution



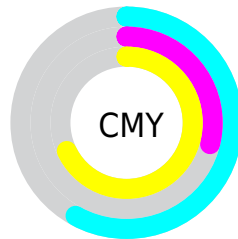
- Red (42%)
- Green (71%)
- Blue (32%)



- Red (32%)
- Yellow (71%)
- Blue (62%)



- Cyan (41%)
- Magenta (0%)
- Yellow (55%)
- Black (29%)





- Cyan (58%)
- Magenta (29%)
- Yellow (68%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 36.7211, 0.3219, 0.4928 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 36.7211, 0.3219, 0.4928 by changing the saturation by 10% instead.


 36.7211, 0.3219,
0.4928


 36.7211, 0.3219,
0.4928


 332.1015, 0.3216,
0.4027


 24.9916, 0.3199,
0.5175


 70.1436, 0.3231,
0.4583


 16.0708, 0.3158,
0.5503


 92.6055, 0.3232,
0.4458


 9.5743, 0.3072,
0.5948


 119.4136, 0.3230,
0.4355

 5.1176, 0.2944,
0.6697

 150.9523, 0.3228,
0.4268

 2.3164, 0.2492,
0.7508

 187.6060, 0.3225,
0.4194

 0.7824, 0.0000,
1.0000

 229.7592, 0.3222,

 0.0000, 0.0000,

0.4131

0.0000

277.7962, 0.3219,
0.4075

■ 36.7211, 0.3219,
0.4928

■ 36.7211, 0.3219,
0.4928

■ 35.7083, 0.3210,
0.5238

■ 37.9443, 0.3217,
0.4600

■ 34.8890, 0.3190,
0.5510

■ 39.3843, 0.3205,
0.4273

■ 34.2509, 0.3158,
0.5723

■ 41.0530, 0.3187,
0.3959

■ 33.7785, 0.3117,
0.5867

■ 42.9602, 0.3165,
0.3668

■ 33.5827, 0.3096,
0.5923

■ 45.1149, 0.3139,
0.3404

■ 47.5256, 0.3113,
0.3168

■ 50.2007, 0.3087,
0.2959

■ 53.1479, 0.3061,
0.2776

■ 56.3746, 0.3036,
0.2615

Harmonies

Analogous

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



36.7211, 0.4047, 0.4844



36.7211, 0.3219, 0.4928



36.7211, 0.2411, 0.4303

Triad

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



36.7211, 0.3219, 0.4928



36.7211, 0.1712, 0.2066



36.7211, 0.4560, 0.3056

Complementary

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



36.7211, 0.3219, 0.4928



16.5479, 0.2892, 0.1893

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.



36.7211, 0.3737, 0.2510



36.7211, 0.3219, 0.4928



36.7211, 0.2110, 0.1962

Square

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



36.7211, 0.3219, 0.4928



36.7211, 0.1620, 0.2495



36.7211, 0.2816, 0.2123



36.7211, 0.4907, 0.3681

Rectangle

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



36.7211, 0.3219, 0.4928



36.7211, 0.1998, 0.3636



36.7211, 0.2816, 0.2123



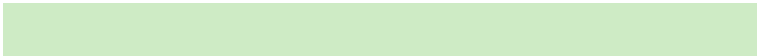
36.7211, 0.4323, 0.2862

Sweetspot

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



36.7227, 0.3219, 0.4928



76.3640, 0.3168, 0.3712



34.2990, 0.4079, 0.4303



16.3514, 0.3173, 0.3770



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



36.7227, 0.3219, 0.4928



63.5597, 0.3207, 0.5308



35.9030, 0.2899, 0.4595



9.5860, 0.3151, 0.3523



23.1757, 0.3103, 0.5918



0.7566, 0.3312, 0.5752

Inverse Universe

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



16.5479, 0.2892, 0.1893



23.5696, 0.2815, 0.1624



18.2703, 0.3513, 0.2284



8.5412, 0.3100, 0.3063



6.0131, 0.2612, 0.1213



0.2142, 0.2788, 0.1309

Previews

White Background



This preview shows how the Yxy color 36.7211, 0.3219, 0.4928 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 36.7211, 0.3219, 0.4928 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

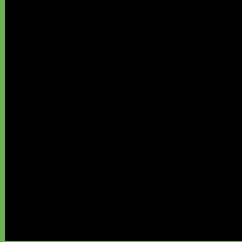
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 36.7211, 0.3219, 0.4928

Background



This preview shows how black text looks on a background with the Yxy color 36.7211, 0.3219, 0.4928.



This preview shows how white text looks on a background with the Yxy color 36.7211, 0.3219, 0.4928.

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

36.7211, 0.3219, 0.4928

Protanopia

36.4195, 0.4064, 0.4454

Deuteranopia

36.1697, 0.4208, 0.4135



Tritanopia

36.4952, 0.2643, 0.3078

Trichromacy



Original Color

36.7211, 0.3219, 0.4928

Protanomaly

36.0718, 0.3722, 0.4648

Deuteranomaly

35.2221, 0.3824, 0.4420

Tritanomaly

36.1606, 0.2859, 0.3727

Monochromacy



Original Color

36.7211, 0.3219, 0.4928

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

31.1319, 0.3185, 0.3890

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.7211, 0.3219, 0.4928 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(106, 181, 82)` looks like.

```
.text, #text, p{  
    color:rgb(106, 181, 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(106, 181, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 181, 82) }
```

Border

The CSS property to change the border of an element to Yxy 36.7211, 0.3219, 0.4928 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(106, 181, 82) }
```

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

```
.border{ border-color:rgb(106, 181, 82) }
```

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

Here you see how a box with a 4 pixel rgb(106, 181, 82) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 181, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 181, 82);  
box-shadow:4px 4px 4px 4px rgb(106, 181,  
82) }
```


Background

The CSS property to change the background color of an element to Yxy 36.7211, 0.3219, 0.4928 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 181, 82) }
```

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

```
.background{ background-color: rgb(106,  
181, 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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