

Converting Colors

$Yxy(36.7216, 0.3129, 0.4770)$

Have a look what the booklet for
Yxy(36.7216, 0.3129, 0.4770)
contains.

Yxy(36.7216, 0.3129, 0.4770)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(36.7216, 0.3129, 0.4770)

Conversions

Conversions Part 1

Format	Color
Hex	67B55D
RGB	103, 181, 93
RGB Percent	40%, 71%, 36%
CMY	0.5963, 0.2902, 0.6353
CMYK	0.43, 0.00, 0.49, 0.29
HSL	113°, 37%, 54%
HSV	113°, 49%, 71%
XYZ	24.0884, 36.7216, 16.1744
YIQ	147.6460, -18.2400, -43.9040

Conversions

Conversions Part 2

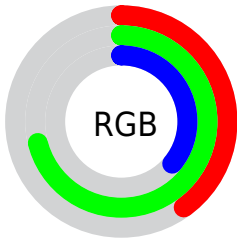
Format	Color
RYB	93, 181, 171
Decimal	6796637
CIELab	67.07, -41.63, 37.30
CIElCh	67, 55.897, 138.144
Yxy	36.7216, 0.3129, 0.4770
Android (android.graphics.Color)	4284986717 (0xFF67B55D)
YUV	147.6460, -26.9405, -39.1545
Hunter-Lab	60.5983, -35.0916, 26.5936

Details

The Yxy color **36.7216, 0.3129, 0.4770** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **19.8317, 0.3062, 0.2089**, and the grayscale version is **29.5746, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.8818, 0.3152, 0.4450**, and **15.9649, 0.3056, 0.5293** is the 20% darker color. If you saturate the color by 10%, you get **35.5800, 0.3117, 0.5108**, and if you desaturate by 10%, it is **38.1245, 0.3136, 0.4426**.

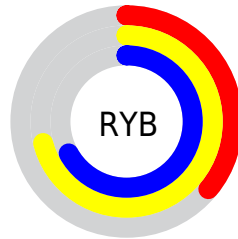
Distribution



Red (40%)

Green (71%)

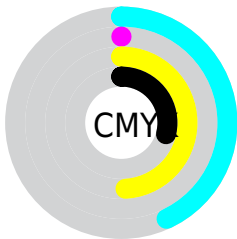
Blue (36%)



Red (36%)

Yellow (71%)

Blue (67%)

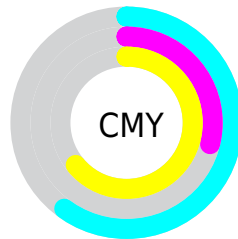


Cyan (43%)

Magenta (0%)

Yellow (49%)

Black (29%)



Cyan (60%)


Magenta (29%)


Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.7216, 0.3129, 0.4770 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 36.7216, 0.3129, 0.4770 by changing the saturation by 10% instead.


 36.7216, 0.3129,
0.4770

 36.7216, 0.3129,
0.4770


332.1036, 0.3163,
0.3953

 24.9920, 0.3104,
0.4998


 70.1444, 0.3152,
0.4455


 16.0711, 0.3061,
0.5302


 92.6064, 0.3157,
0.4342

 9.5745, 0.2979,
0.5726


 119.4147, 0.3160,
0.4249

 5.1178, 0.2823,
0.6363

 150.9536, 0.3162,
0.4171

 2.3165, 0.2518,
0.7482

187.6075, 0.3163,
0.4104

 0.7824, 0.0000,
1.0000

229.7609, 0.3163,

 0.0000, 0.0000,

0.4047

0.0000

277.7982, 0.3163,
0.3997

■ 36.7216, 0.3129,
0.4770

■ 36.7216, 0.3129,
0.4770

■ 35.5800, 0.3117,
0.5108

■ 38.1245, 0.3136,
0.4426

■ 34.6792, 0.3100,
0.5417

■ 39.7986, 0.3138,
0.4094

■ 34.0029, 0.3078,
0.5673


■ 41.7589, 0.3136,
0.3785

■ 33.5310, 0.3054,
0.5856


■ 44.0180, 0.3132,
0.3506

■ 33.2362, 0.3031,
0.5965


■ 46.5877, 0.3126,
0.3258

 33.2059, 0.3028,
0.5977

 49.4792, 0.3119,
0.3040

 52.7030, 0.3112,
0.2851

 56.2694, 0.3104,
0.2686

 60.1290, 0.3103,
0.2552

Harmonies

Analogous

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



36.7216, 0.3917, 0.4786



36.7216, 0.3129, 0.4770



36.7216, 0.2383, 0.4123

Triad

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



36.7216, 0.3129, 0.4770



36.7216, 0.1820, 0.2112



36.7216, 0.4530, 0.3147

Complementary

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



36.7216, 0.3129, 0.4770



19.8317, 0.3062, 0.2089

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.



36.7216, 0.3803, 0.2612



36.7216, 0.3129, 0.4770



36.7216, 0.2236, 0.2040

Square

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



36.7216, 0.3129, 0.4770



36.7216, 0.1698, 0.2485



36.7216, 0.2936, 0.2221



36.7216, 0.4796, 0.3748

Rectangle

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



36.7216, 0.3129, 0.4770



36.7216, 0.2013, 0.3504



36.7216, 0.2936, 0.2221



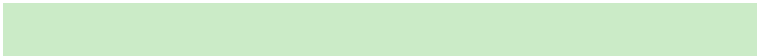
36.7216, 0.4327, 0.2958

Sweetspot

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



36.7232, 0.3129, 0.4770



76.0811, 0.3135, 0.3687



39.6447, 0.3892, 0.4341



16.2691, 0.3136, 0.3747



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.



36.7232, 0.3129, 0.4770



63.6507, 0.3117, 0.5119



36.9053, 0.2838, 0.4215



9.5345, 0.3132, 0.3524



22.9043, 0.3033, 0.5974



0.7354, 0.3153, 0.5878

Inverse Universe

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



19.8317, 0.3062, 0.2089



29.9060, 0.3039, 0.1869



19.7696, 0.3620, 0.2532



8.5970, 0.3120, 0.3064



7.5104, 0.2930, 0.1388



0.2501, 0.3013, 0.1433

Previews

White Background



This preview shows how the Yxy color 36.7216, 0.3129, 0.4770 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 36.7216, 0.3129, 0.4770 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

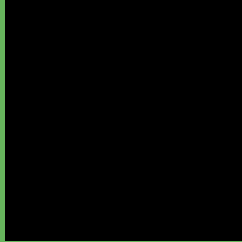
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.7216, 0.3129, 0.4770

Background



This preview shows how black text looks on a background with the Yxy color 36.7216, 0.3129, 0.4770.



This preview shows how white text looks on a background with the Yxy color 36.7216, 0.3129, 0.4770.

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

36.7216, 0.3129, 0.4770

Protanopia

36.1125, 0.3976, 0.4321

Deuteranopia

36.0793, 0.4098, 0.4024



Tritanopia

36.6936, 0.2617, 0.3077

Trichromacy



Original Color

36.7216, 0.3129, 0.4770

Protanomaly

35.6765, 0.3628, 0.4502

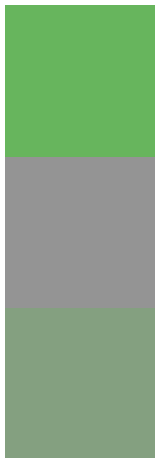
Deuteranomaly

35.0954, 0.3703, 0.4284

Tritanomaly

36.5044, 0.2802, 0.3661

Monochromacy



Original Color

36.7216, 0.3129, 0.4770

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

31.6057, 0.3140, 0.3820

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.7216, 0.3129, 0.4770 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(103, 181, 93)` looks like.

```
.text, #text, p{  
    color:rgb(103, 181, 93)  
}
```

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(103, 181, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 181, 93) }
```

Border

The CSS property to change the border of an element to Yxy 36.7216, 0.3129, 0.4770 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(103, 181, 93) }
```

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

```
.border{ border-color:rgb(103, 181, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 181, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 181, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 181, 93);  
box-shadow:4px 4px 4px 4px rgb(103, 181,  
93) }
```


Background

The CSS property to change the background color of an element to Yxy 36.7216, 0.3129, 0.4770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 181, 93) }
```

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

```
.background{ background-color: rgb(103,  
181, 93) }
```

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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