

Converting Colors

$Yxy(36.6123, 0.3064, 0.4178)$

Have a look what the booklet for
Yxy(36.6123, 0.3064, 0.4178)
contains.

Yxy(36.4489, 0.3069, 0.4177)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(36.4489, 0.3069, 0.4177)

Conversions

Conversions Part 1

Format	Color
Hex	78B07A
RGB	120, 176, 122
RGB Percent	47%, 69%, 48%
CMY	0.5295, 0.3098, 0.5216
CMYK	0.32, 0.00, 0.31, 0.31
HSL	122°, 26%, 58%
HSV	122°, 32%, 69%
XYZ	26.7804, 36.4489, 24.0317
YIQ	153.1000, -16.0420, -28.6660

Conversions

Conversions Part 2

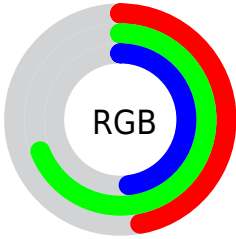
Format	Color
RYB	120, 174, 176
Decimal	7909498
CIELab	66.86, -29.37, 22.00
CIElCh	67, 36.696, 143.168
Yxy	36.4489, 0.3069, 0.4177
Android (android.graphics.Color)	4286099578 (0xFF78B07A)
YUV	153.1000, -15.3323, -29.0287
Hunter-Lab	60.3729, -26.4731, 18.6604

Details

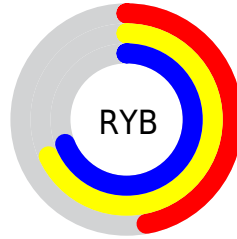
The Yxy color **36.4489, 0.3069, 0.4177** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **25.7135, 0.3185, 0.2539**, and the grayscale version is **31.9721, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.8070, 0.3088, 0.3988**, and **15.9122, 0.3029, 0.4487** is the 20% darker color. If you saturate the color by 10%, you get **34.9213, 0.3050, 0.4513**, and if you desaturate by 10%, it is **38.2843, 0.3088, 0.3865**.

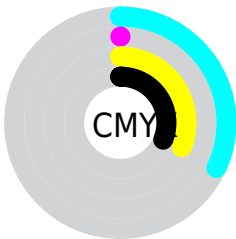
Distribution



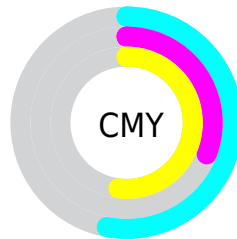
- Red (47%)
- Green (69%)
- Blue (48%)



- Red (47%)
- Yellow (68%)
- Blue (69%)



- Cyan (32%)
- Magenta (0%)
- Yellow (31%)
- Black (31%)





- Cyan (53%)
- Magenta (31%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.4489, 0.3069, 0.4177 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 36.4489, 0.3069, 0.4177 by changing the saturation by 10% instead.


 36.4489, 0.3069,
0.4177


 36.4489, 0.3069,
0.4177


330.9184, 0.3111,
0.3693

 24.7811, 0.3053,
0.4312


 69.7244, 0.3088,
0.3991

 15.9140, 0.3028,
0.4494


 92.1008, 0.3094,
0.3924

 9.4633, 0.2986,
0.4754


 118.8156, 0.3099,
0.3869

 5.0446, 0.2911,
0.5148

150.2531, 0.3103,
0.3823

 2.2735, 0.2799,
0.5914

186.7978, 0.3105,
0.3783

 0.7596, 0.0065,
0.9935


228.8339, 0.3108,


 0.0000, 0.0000,


0.3749


0.0000

276.7460, 0.3110,
0.3719

 36.4489, 0.3069,
0.4177


 36.4489, 0.3069,
0.4177


 34.9213, 0.3050,
0.4513


 38.2843, 0.3088,
0.3865


 33.6805, 0.3031,
0.4858


 40.4381, 0.3107,
0.3582

 32.7098, 0.3015,
0.5193


 42.9261, 0.3124,
0.3332


 31.9891, 0.3003,
0.5493


 45.7618, 0.3140,
0.3114


 31.4955, 0.2996,
0.5734

 48.9578, 0.3154,
0.2926

 31.2019, 0.2995,
0.5898

 52.5260, 0.3167,
0.2764

 31.0683, 0.2993,
0.5976

 56.4780, 0.3178,
0.2624

 59.5344, 0.3163,
0.2517

Harmonies

Analogous

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



36.4489, 0.3612, 0.4301



36.4489, 0.3069, 0.4177



36.4489, 0.2568, 0.3731

Triad

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



36.4489, 0.3069, 0.4177



36.4489, 0.2252, 0.2458



36.4489, 0.4103, 0.3293

Complementary

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



36.4489, 0.3069, 0.4177



25.7135, 0.3185, 0.2539

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.



36.4489, 0.3672, 0.2887



36.4489, 0.3069, 0.4177



36.4489, 0.2594, 0.2423

Square

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



36.4489, 0.3069, 0.4177



36.4489, 0.2127, 0.2708



36.4489, 0.3107, 0.2579



36.4489, 0.4238, 0.3727

Rectangle

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



36.4489, 0.3069, 0.4177



36.4489, 0.2322, 0.3351



36.4489, 0.3107, 0.2579



36.4489, 0.3986, 0.3151

Sweetspot

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



36.4504, 0.3069, 0.4177



74.0398, 0.3110, 0.3538



41.4248, 0.3581, 0.4075



15.9190, 0.3107, 0.3574



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



36.4504, 0.3069, 0.4177



64.1497, 0.3056, 0.4404



37.2431, 0.2863, 0.3707



9.4949, 0.3111, 0.3517



22.7945, 0.2992, 0.5972



0.7188, 0.2959, 0.5853

Inverse Universe

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



25.7135, 0.3185, 0.2539



41.6838, 0.3199, 0.2382



24.7369, 0.3508, 0.2910



8.6413, 0.3143, 0.3073



8.8946, 0.3300, 0.1591



0.2815, 0.3272, 0.1576

Previews

White Background



This preview shows how the Yxy color 36.4489, 0.3069, 0.4177 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 36.4489, 0.3069, 0.4177 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

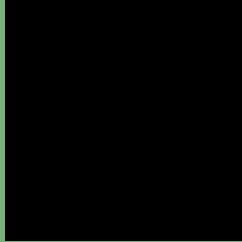
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.4489, 0.3069, 0.4177

Background



This preview shows how black text looks on a background with the Yxy color 36.4489, 0.3069, 0.4177.



This preview shows how white text looks on a background with the Yxy color 36.4489, 0.3069, 0.4177.

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

36.4489, 0.3069, 0.4177

Protanopia

36.1003, 0.3670, 0.3952

Deuteranopia

35.8962, 0.3772, 0.3687



Tritanopia

36.2080, 0.2705, 0.3079

Trichromacy



Original Color

36.4489, 0.3069, 0.4177

Protanomaly

35.8155, 0.3430, 0.4039

Deuteranomaly

35.6744, 0.3491, 0.3854

Tritanomaly

36.1759, 0.2838, 0.3461

Monochromacy



Original Color

36.4489, 0.3069, 0.4177

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

33.1055, 0.3104, 0.3591

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.4489, 0.3069, 0.4177 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(120, 176, 122)` looks like.

```
.text, #text, p{  
    color:rgb(120, 176, 122)  
}
```

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(120, 176, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 176, 122) }
```

Border

The CSS property to change the border of an element to Yxy 36.4489, 0.3069, 0.4177 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(120, 176, 122) }
```

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

```
.border{ border-color:rgb(120, 176, 122) }
```

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

Here you see how a box with a 4 pixel rgb(120, 176, 122) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 176, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 176, 122);  
box-shadow:4px 4px 4px 4px rgb(120, 176,  
122) }
```


Background

The CSS property to change the background color of an element to Yxy 36.4489, 0.3069, 0.4177 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 176, 122) }
```

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

```
.background{ background-color: rgb(120,  
176, 122) }
```

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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