

Converting Colors

$Yxy(30.5951, 0.2899, 0.4047)$

Have a look what the booklet for
Yxy(30.5951, 0.2899, 0.4047)
contains.

Yxy(30.6087, 0.2897, 0.4043)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(30.6087, 0.2897, 0.4043)

Conversions

Conversions Part 1

Format	Color
Hex	63A47A
RGB	99, 164, 122
RGB Percent	39%, 64%, 48%
CMY	0.6118, 0.3568, 0.5215
CMYK	0.40, 0.00, 0.26, 0.36
HSL	141°, 26%, 52%
HSV	141°, 40%, 64%
XYZ	21.9326, 30.6087, 23.1666
YIQ	139.7770, -25.2580, -26.8420

Conversions

Conversions Part 2

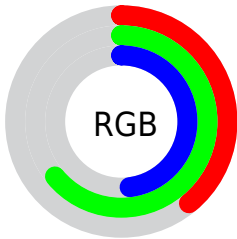
Format	Color
RYB	99, 147, 164
Decimal	6530170
CIELab	62.18, -30.28, 15.39
CIELCh	62, 33.969, 153.064
Yxy	30.6087, 0.2897, 0.4043
Android (android.graphics.Color)	4284720250 (0xFF63A47A)
YUV	139.7770, -8.7641, -35.7614
Hunter-Lab	55.3251, -26.0561, 13.9007

Details

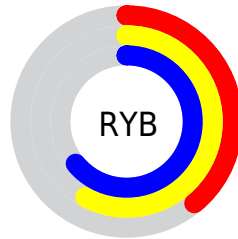
The Yxy color **30.6087, 0.2897, 0.4043** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **18.7357, 0.3470, 0.2645**, and the grayscale version is **26.1755, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.4336, 0.2945, 0.3868**, and **12.6737, 0.2801, 0.4346** is the 20% darker color. If you saturate the color by 10%, you get **29.5299, 0.2853, 0.4277**, and if you desaturate by 10%, it is **31.9062, 0.2949, 0.3825**.

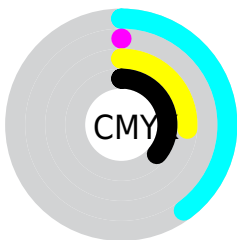
Distribution



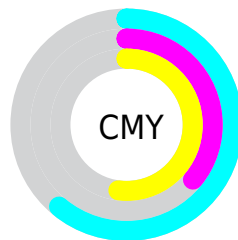
- Red (39%)
- Green (64%)
- Blue (48%)



- Red (39%)
- Yellow (58%)
- Blue (64%)



- Cyan (40%)
- Magenta (0%)
- Yellow (26%)
- Black (36%)





- Cyan (61%)
- Magenta (36%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.6087, 0.2897, 0.4043 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 30.6087, 0.2897, 0.4043 by changing the saturation by 10% instead.


 30.6087, 0.2897,
0.4043


 30.6087, 0.2897,
0.4043


304.7315, 0.3029,
0.3622

 20.3011, 0.2857,
0.4166


 60.6235, 0.2950,
0.3878


 12.6141, 0.2801,
0.4335


 81.0994, 0.2968,
0.3820

 7.1633, 0.2716,
0.4585


 105.7336, 0.2983,
0.3772

 3.5645, 0.2574,
0.4985

 134.9104, 0.2995,
0.3732

 1.4330, 0.2290,
0.6055

169.0141, 0.3006,
0.3698

 0.2409, 0.0000,
1.0000

208.4293, 0.3015,

 0.0000, 0.0000,

0.3669

0.0000

253.5403, 0.3022,
0.3644

■ 30.6087, 0.2897,
0.4043

■ 30.6087, 0.2897,
0.4043

■ 29.5299, 0.2853,
0.4277

■ 31.9062, 0.2949,
0.3825

■ 28.6537, 0.2820,
0.4521

■ 33.4301, 0.3007,
0.3625

■ 27.9677, 0.2802,
0.4768

■ 35.1920, 0.3068,
0.3445

■ 27.4565, 0.2800,
0.5009


■ 37.2018, 0.3129,
0.3285

■ 27.1022, 0.2816,
0.5234

■ 39.4689, 0.3190,
0.3143

 26.8669, 0.2844,
0.5435

 42.0020, 0.3250,
0.3018

 26.8593, 0.2845,
0.5442

 44.8095, 0.3307,
0.2909

 47.8995, 0.3361,
0.2814

 51.2797, 0.3412,
0.2731

Harmonies

Analogous

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



30.6087, 0.3433, 0.4280



30.6087, 0.2897, 0.4043



30.6087, 0.2447, 0.3540

Triad

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



30.6087, 0.2897, 0.4043



30.6087, 0.2355, 0.2438



30.6087, 0.4165, 0.3435

Complementary

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



30.6087, 0.2897, 0.4043



18.7357, 0.3470, 0.2645

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.



30.6087, 0.3826, 0.3019



30.6087, 0.2897, 0.4043



30.6087, 0.2755, 0.2469

Square

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



30.6087, 0.2897, 0.4043



30.6087, 0.2159, 0.2614



30.6087, 0.3293, 0.2676



30.6087, 0.4189, 0.3855

Rectangle

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



30.6087, 0.2897, 0.4043



30.6087, 0.2250, 0.3171



30.6087, 0.3293, 0.2676



30.6087, 0.4083, 0.3292

Sweetspot

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



30.6100, 0.2897, 0.4043



63.0076, 0.3052, 0.3490



33.1379, 0.3472, 0.4332



13.6879, 0.3045, 0.3511



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



30.6100, 0.2897, 0.4043



53.7305, 0.2856, 0.4259



31.5461, 0.2658, 0.3455



7.9345, 0.3070, 0.3439



20.6011, 0.2840, 0.5424



0.4416, 0.2633, 0.4679

Inverse Universe

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



18.7357, 0.3470, 0.2645



28.9850, 0.3582, 0.2500



17.9116, 0.3944, 0.3137



7.1594, 0.3189, 0.3146



6.8575, 0.4329, 0.2158



0.1526, 0.3835, 0.1886

Previews

White Background



This preview shows how the Yxy color 30.6087, 0.2897, 0.4043 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 30.6087, 0.2897, 0.4043 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 30.6087, 0.2897, 0.4043

Background



This preview shows how black text looks on a background with the Yxy color 30.6087, 0.2897, 0.4043.



This preview shows how white text looks on a background with the Yxy color 30.6087, 0.2897, 0.4043.

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

30.6087, 0.2897, 0.4043

Protanopia

30.2063, 0.3583, 0.3819

Deuteranopia

30.2235, 0.3621, 0.3559



Tritanopia

30.6710, 0.2613, 0.3093

Trichromacy



Original Color

30.6087, 0.2897, 0.4043

Protanomaly

29.8225, 0.3300, 0.3889

Deuteranomaly

29.6336, 0.3314, 0.3713

Tritanomaly

30.5057, 0.2711, 0.3408

Monochromacy



Original Color

30.6087, 0.2897, 0.4043

Achromatopsia

26.2251, 0.3127, 0.3290

Achromatomaly

27.5483, 0.3034, 0.3566

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.6087, 0.2897, 0.4043 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(99, 164, 122) looks like.

```
.text, #text, p{  
    color:rgb(99, 164, 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(99, 164, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 164, 122) }
```

Border

The CSS property to change the border of an element to Yxy 30.6087, 0.2897, 0.4043 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(99, 164, 122) }
```

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

```
.border{ border-color:rgb(99, 164, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 164, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 164, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 164, 122);  
box-shadow:4px 4px 4px 4px rgb(99, 164,  
122) }
```


Background

The CSS property to change the background color of an element to Yxy 30.6087, 0.2897, 0.4043 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 164, 122) }
```

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

```
.background{ background-color: rgb(99, 164,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor