

Converting Colors

$Yxy(33.8993, 0.2947, 0.4265)$

Have a look what the booklet for
Yxy(33.8993, 0.2947, 0.4265)
contains.

Yxy(33.8808, 0.2947, 0.4266)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(33.8808, 0.2947, 0.4266)

Conversions

Conversions Part 1

Format	Color
Hex	64AD75
RGB	100, 173, 117
RGB Percent	39%, 68%, 46%
CMY	0.6081, 0.3215, 0.5412
CMYK	0.42, 0.00, 0.32, 0.32
HSL	134°, 31%, 54%
HSV	134°, 42%, 68%
XYZ	23.4052, 33.8808, 22.1345
YIQ	144.7890, -25.5320, -32.8920

Conversions

Conversions Part 2

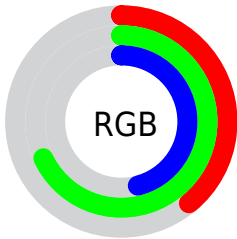
Format	Color
RYB	100, 159, 173
Decimal	6598005
CIELab	64.87, -35.17, 21.83
CIELCh	65, 41.395, 148.174
Yxy	33.8808, 0.2947, 0.4266
Android (android.graphics.Color)	4284788085 (0xFF64AD75)
YUV	144.7890, -13.7000, -39.2800
Hunter-Lab	58.2072, -30.0874, 18.1988

Details

The Yxy color **33.8808, 0.2947, 0.4266** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **20.3884, 0.3385, 0.2484**, and the grayscale version is **28.2851, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.7732, 0.2995, 0.4061**, and **14.4546, 0.2865, 0.4637** is the 20% darker color. If you saturate the color by 10%, you get **32.7086, 0.2916, 0.4549**, and if you desaturate by 10%, it is **35.3094, 0.2985, 0.3998**.

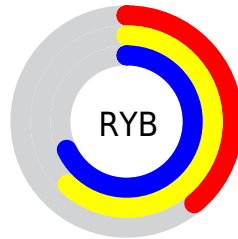
Distribution



Red (39%)

Green (68%)

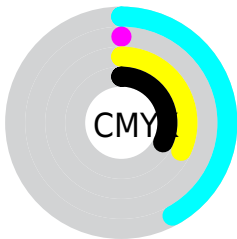
Blue (46%)



Red (39%)

Yellow (62%)

Blue (68%)

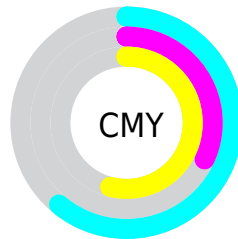


Cyan (42%)

Magenta (0%)

Yellow (32%)

Black (32%)



Cyan (61%)


Magenta (32%)

Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.8808, 0.2947, 0.4266 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 33.8808, 0.2947, 0.4266 by changing the saturation by 10% instead.


 33.8808, 0.2947,
0.4266


 33.8808, 0.2947,
0.4266


319.6002, 0.3057,
0.3724

 22.8020, 0.2911,
0.4421


 65.7483, 0.2992,
0.4055


 14.4474, 0.2860,
0.4634


 87.3058, 0.3008,
0.3980

 8.4325, 0.2779,
0.4941


 113.1249, 0.3020,
0.3919

 4.3729, 0.2641,
0.5419

 143.5902, 0.3030,
0.3867

 1.8843, 0.2471,
0.6597

179.0860, 0.3038,
0.3823

 0.5389, 0.0000,
1.0000

219.9967, 0.3045,

 0.0000, 0.0000,

0.3786

0.0000

266.7066, 0.3051,
0.3753

■ 33.8808, 0.2947,
0.4266

■ 33.8808, 0.2947,
0.4266

■ 32.7086, 0.2916,
0.4549

■ 35.3094, 0.2985,
0.3998

■ 31.7735, 0.2894,
0.4836

■ 37.0043, 0.3028,
0.3752

■ 31.0598, 0.2885,
0.5116

■ 38.9796, 0.3072,
0.3529


■ 30.5485, 0.2890,
0.5374


■ 41.2476, 0.3117,
0.3331

■ 30.2168, 0.2908,
0.5593

■ 43.8194, 0.3161,
0.3157

 30.0475, 0.2926,
0.5733

 46.7060, 0.3204,
0.3004

 49.9175, 0.3244,
0.2871

 53.4637, 0.3282,
0.2756

 57.2293, 0.3312,
0.2655

Harmonies

Analogous

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



33.8808, 0.3573, 0.4469



33.8808, 0.2947, 0.4266



33.8808, 0.2402, 0.3692

Triad

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



33.8808, 0.2947, 0.4266



33.8808, 0.2178, 0.2318



33.8808, 0.4309, 0.3363

Complementary

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



33.8808, 0.2947, 0.4266



20.3884, 0.3385, 0.2484

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.



33.8808, 0.3856, 0.2898



33.8808, 0.2947, 0.4266



33.8808, 0.2600, 0.2322

Square

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



33.8808, 0.2947, 0.4266



33.8808, 0.1997, 0.2550



33.8808, 0.3208, 0.2530



33.8808, 0.4394, 0.3853

Rectangle

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



33.8808, 0.2947, 0.4266



33.8808, 0.2152, 0.3243



33.8808, 0.3208, 0.2530



33.8808, 0.4194, 0.3202

Sweetspot

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



33.8822, 0.2947, 0.4266



69.4251, 0.3068, 0.3550



37.8750, 0.3576, 0.4376



14.9155, 0.3058, 0.3596



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



33.8822, 0.2947, 0.4266



58.6353, 0.2917, 0.4539



34.9153, 0.2689, 0.3613



8.9689, 0.3085, 0.3469



22.0786, 0.2921, 0.5716



0.6225, 0.2758, 0.5130

Inverse Universe

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



20.3884, 0.3385, 0.2484



31.1166, 0.3464, 0.2314



19.3317, 0.3900, 0.2999



8.1156, 0.3172, 0.3118



7.7724, 0.3891, 0.1917



0.2239, 0.3647, 0.1783

Previews

White Background



This preview shows how the Yxy color 33.8808, 0.2947, 0.4266 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 33.8808, 0.2947, 0.4266 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 33.8808, 0.2947, 0.4266

Background



This preview shows how black text looks on a background with the Yxy color 33.8808, 0.2947, 0.4266.



This preview shows how white text looks on a background with the Yxy color 33.8808, 0.2947, 0.4266.

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

33.8808, 0.2947, 0.4266

Protanopia

33.3377, 0.3700, 0.3971

Deuteranopia

33.2851, 0.3760, 0.3687



Tritanopia

33.6757, 0.2588, 0.3069

Trichromacy



Original Color

33.8808, 0.2947, 0.4266

Protanomaly

32.9622, 0.3387, 0.4074

Deuteranomaly

32.5821, 0.3428, 0.3884

Tritanomaly

33.5937, 0.2718, 0.3487

Monochromacy



Original Color

33.8808, 0.2947, 0.4266

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

29.8591, 0.3053, 0.3625

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.8808, 0.2947, 0.4266 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(100, 173, 117)` looks like.

```
.text, #text, p{  
    color:rgb(100, 173, 117)  
}
```

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(100, 173, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 173, 117) }
```

Border

The CSS property to change the border of an element to Yxy 33.8808, 0.2947, 0.4266 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(100, 173, 117) }
```

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

```
.border{ border-color:rgb(100, 173, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 173, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 173, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 173, 117);  
box-shadow:4px 4px 4px 4px rgb(100, 173,  
117) }
```


Background

The CSS property to change the background color of an element to Yxy 33.8808, 0.2947, 0.4266 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 173, 117) }
```

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

```
.background{ background-color: rgb(100,  
173, 117) }
```

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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