

Converting Colors

$Yxy(33.0989, 0.2748, 0.3716)$

Have a look what the booklet for
Yxy(33.0989, 0.2748, 0.3716)
contains.

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Color

Yxy(33.0989, 0.2748, 0.3716)

Conversions

Conversions Part 1

Format	Color
Hex	64A990
RGB	100, 169, 144
RGB Percent	39%, 66%, 56%
CMY	0.6080, 0.3372, 0.4352
CMYK	0.41, 0.00, 0.15, 0.34
HSL	158°, 29%, 53%
HSV	158°, 41%, 66%
XYZ	24.4768, 33.0989, 31.4956
YIQ	145.5190, -33.0990, -22.4030

Conversions

Conversions Part 2

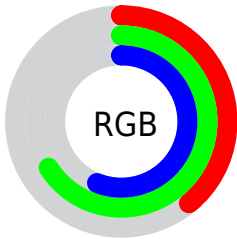
Format	Color
RYB	100, 142, 169
Decimal	6597008
CIELab	64.24, -27.76, 6.08
CIELCh	64, 28.415, 167.651
Yxy	33.0989, 0.2748, 0.3716
Android (android.graphics.Color)	4284787088 (0xFF64A990)
YUV	145.5190, -0.7489, -39.9202
Hunter-Lab	57.5316, -24.7377, 7.8139

Details

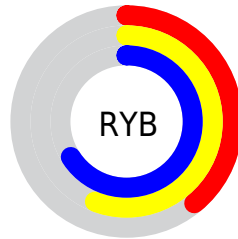
The Yxy color **33.0989, 0.2748, 0.3716** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **19.0239, 0.3764, 0.2909**, and the grayscale version is **28.5496, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.7977, 0.2826, 0.3630**, and **13.9033, 0.2613, 0.3849** is the 20% darker color. If you saturate the color by 10%, you get **32.0528, 0.2679, 0.3842**, and if you desaturate by 10%, it is **34.3577, 0.2830, 0.3597**.

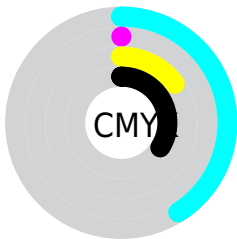
Distribution



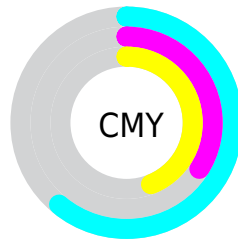
- Red (39%)
- Green (66%)
- Blue (56%)



- Red (39%)
- Yellow (56%)
- Blue (66%)



- Cyan (41%)
- Magenta (0%)
- Yellow (15%)
- Black (34%)





- Cyan (61%)
- Magenta (34%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.0989, 0.2748, 0.3716 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 33.0989, 0.2748, 0.3716 by changing the saturation by 10% instead.


 33.0989, 0.2748,
0.3716


 33.0989, 0.2748,
0.3716


316.0951, 0.2951,
0.3485

 22.2022, 0.2693,
0.3780


 64.5299, 0.2825,
0.3627

 14.0056, 0.2618,
0.3867


 85.8330, 0.2853,
0.3596

 8.1245, 0.2514,
0.3992


 111.3737, 0.2876,
0.3569

 4.1747, 0.2357,
0.4183

 141.5364, 0.2896,
0.3547

 1.7718, 0.2093,
0.4517

176.7056, 0.2912,
0.3528

 0.4695, 0.0000,
0.8447

217.2654, 0.2927,

 0.0000, 0.0000,

0.3512

0.0000

263.6005, 0.2940,
0.3498

■ 33.0989, 0.2748,
0.3716

■ 33.0989, 0.2748,
0.3716

■ 32.0528, 0.2679,
0.3842

■ 34.3577, 0.2830,
0.3597

■ 31.2027, 0.2624,
0.3975

■ 35.8368, 0.2920,
0.3488

■ 30.5360, 0.2587,
0.4112

■ 37.5480, 0.3018,
0.3388


■ 30.0367, 0.2570,
0.4250

■ 39.5015, 0.3119,
0.3297


■ 29.6861, 0.2572,
0.4388


■ 41.7066, 0.3221,
0.3216

 29.4578, 0.2587,
0.4512

 44.1721, 0.3323,
0.3144

 46.9066, 0.3424,
0.3081

 49.9180, 0.3522,
0.3025

 53.2141, 0.3617,
0.2976

Harmonies

Analogous

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



33.0989, 0.3171, 0.4025



33.0989, 0.2748, 0.3716



33.0989, 0.2441, 0.3279

Triad

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



33.0989, 0.2748, 0.3716



33.0989, 0.2634, 0.2574



33.0989, 0.4016, 0.3595

Complementary

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



33.0989, 0.2748, 0.3716



19.0239, 0.3764, 0.2909

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.



33.0989, 0.3857, 0.3237



33.0989, 0.2748, 0.3716



33.0989, 0.3033, 0.2673

Square

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



33.0989, 0.2748, 0.3716



33.0989, 0.2381, 0.2641



33.0989, 0.3486, 0.2910



33.0989, 0.3916, 0.3910

Rectangle

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



33.0989, 0.2748, 0.3716



33.0989, 0.2333, 0.3004



33.0989, 0.3486, 0.2910



33.0989, 0.3992, 0.3476

Sweetspot

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



33.1002, 0.2748, 0.3716



66.7972, 0.3004, 0.3401



33.6789, 0.3292, 0.4437



14.4734, 0.2992, 0.3413



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



33.1002, 0.2748, 0.3716



57.5667, 0.2685, 0.3830



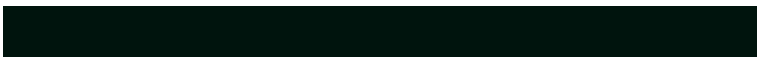
30.6452, 0.2553, 0.3136



8.4853, 0.3033, 0.3373



21.9636, 0.2583, 0.4498



0.5437, 0.2458, 0.4049

Inverse Universe

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



19.0239, 0.3764, 0.2909



28.8856, 0.3980, 0.2829



20.3301, 0.4081, 0.3435



7.5855, 0.3231, 0.3209



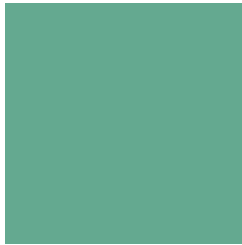
6.5483, 0.5488, 0.2797



0.1691, 0.4599, 0.2307

Previews

White Background



This preview shows how the Yxy color 33.0989, 0.2748, 0.3716 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 33.0989, 0.2748, 0.3716 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

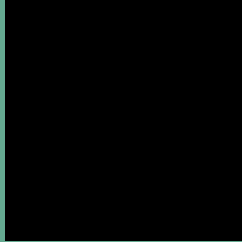
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.0989, 0.2748, 0.3716

Background



This preview shows how black text looks on a background with the Yxy color 33.0989, 0.2748, 0.3716.



This preview shows how white text looks on a background with the Yxy color 33.0989, 0.2748, 0.3716.

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

33.0989, 0.2748, 0.3716

Protanopia

32.5702, 0.3380, 0.3563

Deuteranopia

32.7215, 0.3375, 0.3320



Tritanopia

32.9534, 0.2558, 0.3066

Trichromacy



Original Color

33.0989, 0.2748, 0.3716

Protanomaly

32.1493, 0.3112, 0.3611

Deuteranomaly

32.3315, 0.3110, 0.3446

Tritanomaly

33.0289, 0.2623, 0.3289

Monochromacy



Original Color

33.0989, 0.2748, 0.3716

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

29.8227, 0.2965, 0.3439

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.0989, 0.2748, 0.3716 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, 169, 144)` looks like.

```
.text, #text, p{  
    color:rgb(100, 169, 144)  
}
```

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, 169, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 169, 144) }
```

Border

The CSS property to change the border of an element to Yxy 33.0989, 0.2748, 0.3716 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, 169, 144) }
```

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

```
.border{ border-color:rgb(100, 169, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 169, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(100, 169, 144); -webkit-box-shadow:4px 4px 4px 4px rgb(100, 169, 144); box-shadow:4px 4px 4px 4px rgb(100, 169, 144) }
```


Background

The CSS property to change the background color of an element to Yxy 33.0989, 0.2748, 0.3716 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 169, 144) }
```

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

```
.background{ background-color: rgb(100,  
169, 144) }
```

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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