

Converting Colors

$Yxy(36.4112, 0.2746, 0.3989)$

Have a look what the booklet for
Yxy(36.4112, 0.2746, 0.3989)
contains.

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Color

Yxy(36.2993, 0.2748, 0.3987)

Conversions

Conversions Part 1

Format	Color
Hex	5BB38A
RGB	91, 179, 138
RGB Percent	36%, 70%, 54%
CMY	0.6432, 0.2980, 0.4589
CMYK	0.49, 0.00, 0.23, 0.30
HSL	152°, 37%, 53%
HSV	152°, 49%, 70%
XYZ	25.0189, 36.2993, 29.7259
YIQ	148.0140, -39.2870, -31.4070

Conversions

Conversions Part 2

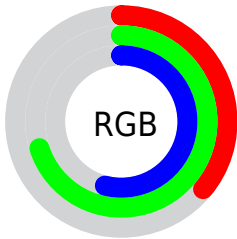
Format	Color
RYB	91, 148, 179
Decimal	6009738
CIELab	66.75, -36.23, 12.92
CIElCh	67, 38.468, 160.368
Yxy	36.2993, 0.2748, 0.3987
Android (android.graphics.Color)	4284199818 (0xFF5BB38A)
YUV	148.0140, -4.9369, -50.0013
Hunter-Lab	60.2489, -31.3117, 12.9214

Details

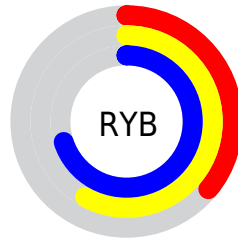
The Yxy color **36.2993, 0.2748, 0.3987** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **18.7285, 0.3825, 0.2704**, and the grayscale version is **29.6513, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.2892, 0.2828, 0.3844**, and **15.9334, 0.2615, 0.4244** is the 20% darker color. If you saturate the color by 10%, you get **35.2649, 0.2700, 0.4162**, and if you desaturate by 10%, it is **37.5722, 0.2810, 0.3821**.

Distribution



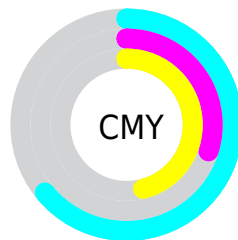
- Red (36%)
- Green (70%)
- Blue (54%)



- Red (36%)
- Yellow (58%)
- Blue (70%)



- Cyan (49%)
- Magenta (0%)
- Yellow (23%)
- Black (30%)





- Cyan (64%)
- Magenta (30%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.2993, 0.2748, 0.3987 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 36.2993, 0.2748, 0.3987 by changing the saturation by 10% instead.


 36.2993, 0.2748,
0.3987


 36.2993, 0.2748,
0.3987


330.2668, 0.2953,
0.3608


 24.6654, 0.2691,
0.4093


 69.4938, 0.2826,
0.3841

 15.8280, 0.2615,
0.4236


 91.8232, 0.2855,
0.3789

 9.4025, 0.2507,
0.4440


 118.4866, 0.2878,
0.3746

 5.0046, 0.2343,
0.4754

 149.8683, 0.2898,
0.3710

 2.2500, 0.2066,
0.5292

186.3528, 0.2914,
0.3679

 0.7470, 0.0000,
1.0000

228.3245, 0.2929,

 0.0000, 0.0000,

0.3652

0.0000

276.1677, 0.2942,
0.3629

■ 36.2993, 0.2748,
0.3987

■ 36.2993, 0.2748,
0.3987

■ 35.2649, 0.2700,
0.4162

■ 37.5722, 0.2810,
0.3821

■ 34.4484, 0.2669,
0.4342

■ 39.0937, 0.2882,
0.3667

■ 33.8331, 0.2657,
0.4523


■ 40.8786, 0.2962,
0.3525


■ 33.3976, 0.2665,
0.4702


■ 42.9392, 0.3047,
0.3396


■ 33.1025, 0.2689,
0.4873

■ 45.2871, 0.3134,
0.3281

 33.0803, 0.2691,
0.4887

 47.9332, 0.3222,
0.3178

 50.8878, 0.3309,
0.3088

 54.1608, 0.3393,
0.3008

 57.7614, 0.3475,
0.2938

Harmonies

Analogous

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



36.2993, 0.3310, 0.4327



36.2993, 0.2748, 0.3987



36.2993, 0.2314, 0.3408

Triad

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



36.2993, 0.2748, 0.3987



36.2993, 0.2390, 0.2374



36.2993, 0.4276, 0.3550

Complementary

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



36.2993, 0.2748, 0.3987



18.7285, 0.3825, 0.2704

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.



36.2993, 0.3989, 0.3102



36.2993, 0.2748, 0.3987



36.2993, 0.2859, 0.2456

Square

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



36.2993, 0.2748, 0.3987



36.2993, 0.2128, 0.2501



36.2993, 0.3450, 0.2715



36.2993, 0.4214, 0.3985

Rectangle

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



36.2993, 0.2748, 0.3987



36.2993, 0.2144, 0.3024



36.2993, 0.3450, 0.2715



36.2993, 0.4218, 0.3398

Sweetspot

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



36.3008, 0.2748, 0.3987



74.5935, 0.2995, 0.3473



37.9084, 0.3391, 0.4669



16.3608, 0.2978, 0.3500



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.



36.3008, 0.2748, 0.3987



63.0183, 0.2697, 0.4176



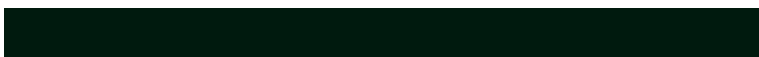
36.5574, 0.2482, 0.3241



9.5634, 0.3046, 0.3398



23.3871, 0.2685, 0.4868



0.7475, 0.2551, 0.4382

Inverse Universe

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



18.7285, 0.3825, 0.2704



27.8751, 0.4065, 0.2596



18.3289, 0.4454, 0.3336



8.5690, 0.3217, 0.3184



7.2311, 0.5071, 0.2567



0.2393, 0.4421, 0.2209

Previews

White Background



This preview shows how the Yxy color 36.2993, 0.2748, 0.3987 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 36.2993, 0.2748, 0.3987 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

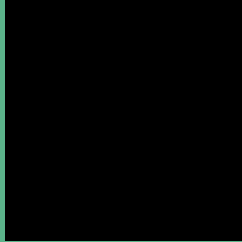
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.2993, 0.2748, 0.3987

Background



This preview shows how black text looks on a background with the Yxy color 36.2993, 0.2748, 0.3987.



This preview shows how white text looks on a background with the Yxy color 36.2993, 0.2748, 0.3987.

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

36.2993, 0.2748, 0.3987

Protanopia

35.7326, 0.3522, 0.3756

Deuteranopia

35.9505, 0.3535, 0.3471



Tritanopia

36.3754, 0.2505, 0.3088

Trichromacy



Original Color

36.2993, 0.2748, 0.3987



Protanomaly

35.4220, 0.3192, 0.3856



Deuteranomaly

34.9580, 0.3196, 0.3643



Tritanomaly

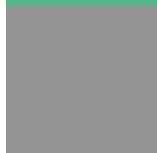
36.1772, 0.2586, 0.3385

Monochromacy



Original Color

36.2993, 0.2748, 0.3987



Achromatopsia

29.6138, 0.3127, 0.3290



Achromatomaly

31.3219, 0.2957, 0.3537

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.2993, 0.2748, 0.3987 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(91, 179, 138)` looks like.

```
.text, #text, p{  
    color:rgb(91, 179, 138)  
}
```

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(91, 179, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 179, 138) }
```

Border

The CSS property to change the border of an element to Yxy 36.2993, 0.2748, 0.3987 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(91, 179, 138) }
```

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

```
.border{ border-color:rgb(91, 179, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 179, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 179, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 179, 138);  
box-shadow:4px 4px 4px 4px rgb(91, 179,  
138) }
```


Background

The CSS property to change the background color of an element to Yxy 36.2993, 0.2748, 0.3987 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 179, 138) }
```

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

```
.background{ background-color: rgb(91, 179,  
138) }
```

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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