

Converting Colors

$Yxy(36.4847, 0.2488, 0.3272)$

Have a look what the booklet for
Yxy(36.4847, 0.2488, 0.3272)
contains.

Yxy(36.3987, 0.2488, 0.3272)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(36.3987, 0.2488, 0.3272)

Conversions

Conversions Part 1

Format	Color
Hex	5AB0B1
RGB	90, 176, 177
RGB Percent	35%, 69%, 69%
CMY	0.6471, 0.3098, 0.3058
CMYK	0.49, 0.01, 0.00, 0.31
HSL	181°, 36%, 52%
HSV	181°, 49%, 69%
XYZ	27.6773, 36.3987, 47.1670
YIQ	150.4000, -51.5770, -17.9210

Conversions

Conversions Part 2

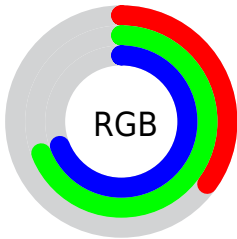
Format	Color
RYB	90, 133, 177
Decimal	5943473
CIELab	66.82, -25.59, -8.53
CIElCh	67, 26.973, 198.437
Yxy	36.3987, 0.2488, 0.3272
Android (android.graphics.Color)	4284133553 (0xFF5AB0B1)
YUV	150.4000, 13.1138, -52.9708
Hunter-Lab	60.3313, -23.6922, -4.1210

Details

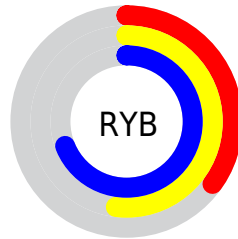
The Yxy color **36.3987, 0.2488, 0.3272** is a light color, and the websafe version is hex **339999**. A complement of this color would be **17.5677, 0.4467, 0.3309**, and the grayscale version is **30.6373, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.7074, 0.2605, 0.3276**, and **15.8542, 0.2301, 0.3264** is the 20% darker color. If you saturate the color by 10%, you get **35.5356, 0.2402, 0.3268**, and if you desaturate by 10%, it is **37.4761, 0.2592, 0.3276**.

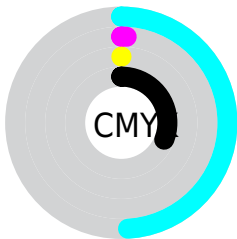
Distribution



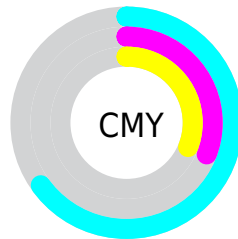
- Red (35%)
- Green (69%)
- Blue (69%)



- Red (35%)
- Yellow (52%)
- Blue (69%)



- Cyan (49%)
- Magenta (1%)
- Yellow (0%)
- Black (31%)



- Cyan (65%)
- Magenta (31%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.3987, 0.2488, 0.3272 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 36.3987, 0.2488, 0.3272 by changing the saturation by 10% instead.


 36.3987, 0.2488,
0.3272

 36.3987, 0.2488,
0.3272


330.6998, 0.2814,
0.3289


 24.7423, 0.2405,
0.3265


 69.6470, 0.2608,
0.3280


 15.8851, 0.2297,
0.3255


 92.0077, 0.2653,
0.3282

 9.4429, 0.2152,
0.3237


 118.7052, 0.2690,
0.3284

 5.0312, 0.1948,
0.3206

 150.1240, 0.2722,
0.3285

 2.2656, 0.1642,
0.3143

186.6485, 0.2750,
0.3286

 0.7554, 0.0398,
0.3224

228.6630, 0.2774,

 0.0000, 0.0000,

0.3287

0.0000

276.5520, 0.2796,
0.3288

■ 36.3987, 0.2488,
0.3272

■ 36.3987, 0.2488,
0.3272

■ 35.5356, 0.2402,
0.3268

■ 37.4761, 0.2592,
0.3276

■ 34.8672, 0.2334,
0.3264

■ 38.7773, 0.2711,
0.3280

■ 34.3778, 0.2286,
0.3260


■ 40.3164, 0.2845,
0.3283


■ 34.0470, 0.2255,
0.3256


■ 42.1048, 0.2988,
0.3287


■ 33.8365, 0.2238,
0.3253

■ 44.1537, 0.3140,
0.3290

 33.8203, 0.2237,
0.3252

 46.4731, 0.3297,
0.3293

 49.0728, 0.3456,
0.3296

 51.9620, 0.3614,
0.3299

 55.1494, 0.3771,
0.3301

Harmonies

Analogous

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



36.3987, 0.2770, 0.3671



36.3987, 0.2488, 0.3272



36.3987, 0.2373, 0.2913

Triad

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



36.3987, 0.2488, 0.3272



36.3987, 0.3052, 0.2723



36.3987, 0.3849, 0.3871

Complementary

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



36.3987, 0.2488, 0.3272



17.5677, 0.4467, 0.3309

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.



36.3987, 0.3945, 0.3584



36.3987, 0.2488, 0.3272



36.3987, 0.3469, 0.2946

Square

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



36.3987, 0.2488, 0.3272



36.3987, 0.2681, 0.2628



36.3987, 0.3804, 0.3252



36.3987, 0.3556, 0.4022

Rectangle

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



36.3987, 0.2488, 0.3272



36.3987, 0.2398, 0.2745



36.3987, 0.3804, 0.3252



36.3987, 0.3906, 0.3785

Sweetspot

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



36.4001, 0.2488, 0.3272



73.3921, 0.2900, 0.3285



34.3597, 0.3055, 0.4819



15.7670, 0.2870, 0.3284



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.



36.4001, 0.2488, 0.3272



63.5199, 0.2395, 0.3268



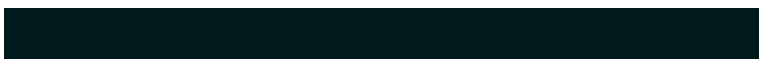
22.2600, 0.2350, 0.2539



9.6143, 0.2986, 0.3287



24.5071, 0.2237, 0.3253



0.7764, 0.2240, 0.3263

Inverse Universe

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



19.7935, 0.3194, 0.2134



30.3604, 0.3207, 0.1929



26.9986, 0.4132, 0.3923



8.6450, 0.3139, 0.3068



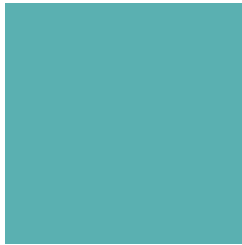
9.0141, 0.3238, 0.1557



0.2842, 0.3229, 0.1553

Previews

White Background



This preview shows how the Yxy color 36.3987, 0.2488, 0.3272 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 36.3987, 0.2488, 0.3272 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

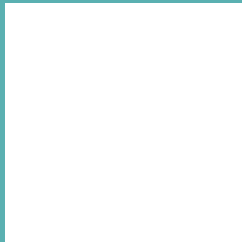
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 36.3987, 0.2488, 0.3272

Background



This preview shows how black text looks on a background with the Yxy color 36.3987, 0.2488, 0.3272.



This preview shows how white text looks on a background with the Yxy color 36.3987, 0.2488, 0.3272.

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

36.3987, 0.2488, 0.3272

Protanopia

36.1034, 0.3085, 0.3190

Deuteranopia

35.7750, 0.3020, 0.2956



Tritanopia

36.2826, 0.2440, 0.3070

Trichromacy



Original Color

36.3987, 0.2488, 0.3272

Protanomaly

35.4470, 0.2823, 0.3213

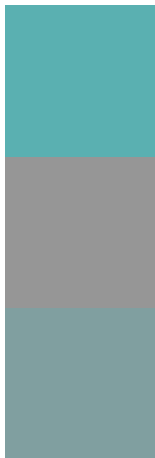
Deuteranomaly

35.4217, 0.2785, 0.3052

Tritanomaly

36.4478, 0.2460, 0.3147

Monochromacy



Original Color

36.3987, 0.2488, 0.3272

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

31.9235, 0.2835, 0.3273

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.3987, 0.2488, 0.3272 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(90, 176, 177)` looks like.

```
.text, #text, p{  
    color:rgb(90, 176, 177)  
}
```

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(90, 176, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 176, 177) }
```

Border

The CSS property to change the border of an element to Yxy 36.3987, 0.2488, 0.3272 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(90, 176, 177) }
```

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

```
.border{ border-color:rgb(90, 176, 177) }
```

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

Here you see how a box with a 4 pixel rgb(90, 176, 177) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 176, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 176, 177);  
box-shadow:4px 4px 4px 4px rgb(90, 176,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 36.3987, 0.2488, 0.3272 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 176, 177) }
```

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

```
.background{ background-color: rgb(90, 176,  
177) }
```

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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