

Converting Colors

$Yxy(36.0556, 0.2489, 0.3694)$

Have a look what the booklet for
Yxy(36.0556, 0.2489, 0.3694)
contains.

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Color

Yxy(36.0349, 0.2489, 0.3699)

Conversions

Conversions Part 1

Format	Color
Hex	3DB49C
RGB	61, 180, 156
RGB Percent	24%, 71%, 61%
CMY	0.7608, 0.2941, 0.3882
CMYK	0.66, 0.00, 0.13, 0.29
HSL	168°, 49%, 47%
HSV	168°, 66%, 71%
XYZ	24.2473, 36.0349, 37.1357
YIQ	141.6830, -63.2200, -32.6920

Conversions

Conversions Part 2

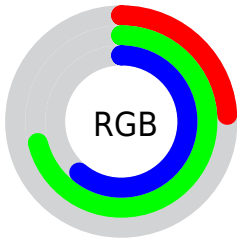
Format	Color
RYB	61, 127, 180
Decimal	4043932
CIELab	66.55, -38.69, 2.59
CIElCh	67, 38.779, 176.176
Yxy	36.0349, 0.2489, 0.3699
Android (android.graphics.Color)	4282234012 (0xFF3DB49C)
YUV	141.6830, 7.0583, -70.7590
Hunter-Lab	60.0291, -32.9500, 5.3418

Details

The Yxy color **36.0349, 0.2489, 0.3699** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **13.6972, 0.4822, 0.2984**, and the grayscale version is **26.9102, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.7816, 0.2612, 0.3619**, and **15.9416, 0.2391, 0.3808** is the 20% darker color. If you saturate the color by 10%, you get **35.4366, 0.2450, 0.3772**, and if you desaturate by 10%, it is **36.8313, 0.2547, 0.3628**.

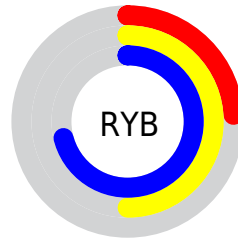
Distribution



Red (24%)

Green (71%)

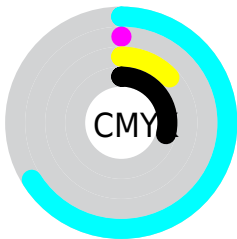
Blue (61%)



Red (24%)

Yellow (50%)

Blue (71%)

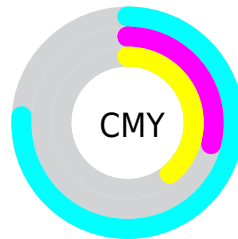


Cyan (66%)

Magenta (0%)

Yellow (13%)

Black (29%)



Cyan (76%)


Magenta (29%)


Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.0349, 0.2489, 0.3699 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 36.0349, 0.2489, 0.3699 by changing the saturation by 10% instead.


 36.0349, 0.2489,
0.3699


 36.0349, 0.2489,
0.3699


329.1131, 0.2821,
0.3484


 24.4612, 0.2402,
0.3756


 69.0859, 0.2613,
0.3618


 15.6761, 0.2288,
0.3832


 91.3320, 0.2658,
0.3589

 9.2952, 0.2133,
0.3937

 117.9043, 0.2696,
0.3564

 4.9342, 0.1910,
0.4091

 149.1872, 0.2729,
0.3543

 2.2087, 0.1564,
0.4337

 185.5652, 0.2757,
0.3525

 0.7247, 0.0000,
0.5437

227.4225, 0.2781,

 0.0000, 0.0000,

0.3510

0.0000

275.1437, 0.2802,
0.3496

■ 36.0349, 0.2489,
0.3699

■ 36.0349, 0.2489,
0.3699

■ 35.4366, 0.2450,
0.3772

■ 36.8313, 0.2547,
0.3628

■ 35.0122, 0.2430,
0.3845

■ 37.8390, 0.2623,
0.3558

■ 34.7368, 0.2428,
0.3917

■ 39.0748, 0.2713,
0.3492

■ 34.6483, 0.2429,
0.3945

■ 40.5526, 0.2817,
0.3430

■ 42.2852, 0.2930,
0.3373

■ 44.2846, 0.3051,
0.3320

■ 46.5620, 0.3176,
0.3272

■ 49.1278, 0.3304,
0.3229

■ 51.9921, 0.3431,
0.3191

Harmonies

Analogous

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



36.0349, 0.3004, 0.4202



36.0349, 0.2489, 0.3699



36.0349, 0.2162, 0.3097

Triad

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



36.0349, 0.2489, 0.3699



36.0349, 0.2610, 0.2385



36.0349, 0.4299, 0.3790

Complementary

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



36.0349, 0.2489, 0.3699



13.6972, 0.4822, 0.2984

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.



36.0349, 0.4193, 0.3334



36.0349, 0.2489, 0.3699



36.0349, 0.3164, 0.2567

Square

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



36.0349, 0.2489, 0.3699



36.0349, 0.2230, 0.2398



36.0349, 0.3761, 0.2903



36.0349, 0.4061, 0.4181

Rectangle

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



36.0349, 0.2489, 0.3699



36.0349, 0.2077, 0.2765



36.0349, 0.3761, 0.2903



36.0349, 0.4304, 0.3640

Sweetspot

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



36.0363, 0.2489, 0.3699



75.2826, 0.2881, 0.3397



34.9963, 0.3187, 0.5292



16.0853, 0.2850, 0.3413



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.



36.0363, 0.2489, 0.3699



63.8897, 0.2439, 0.3803



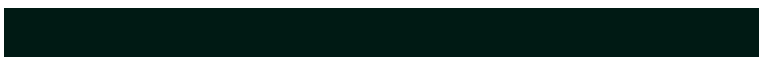
24.9336, 0.2219, 0.2700



9.6016, 0.3012, 0.3336



24.1915, 0.2427, 0.3937



0.7686, 0.2371, 0.3735

Inverse Universe

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



13.6972, 0.4822, 0.2984



20.4951, 0.5402, 0.2997



18.1746, 0.4885, 0.3741



8.5324, 0.3256, 0.3244



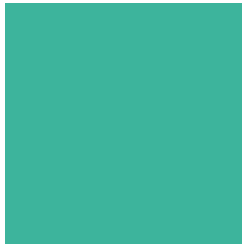
6.8704, 0.6039, 0.3101



0.2244, 0.5297, 0.2692

Previews

White Background



This preview shows how the Yxy color 36.0349, 0.2489, 0.3699 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 36.0349, 0.2489, 0.3699 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

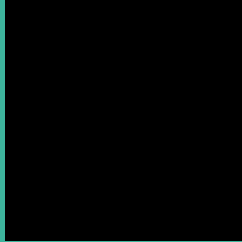
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.0349, 0.2489, 0.3699

Background



This preview shows how black text looks on a background with the Yxy color 36.0349, 0.2489, 0.3699.

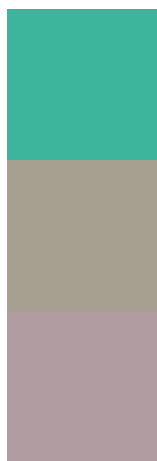


This preview shows how white text looks on a background with the Yxy color 36.0349, 0.2489, 0.3699.

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

36.0349, 0.2489, 0.3699

Protanopia

35.4014, 0.3333, 0.3510

Deuteranopia

35.5802, 0.3279, 0.3220



Tritanopia

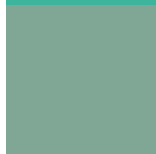
35.8706, 0.2350, 0.3066

Trichromacy



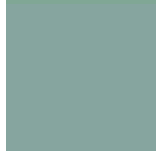
Original Color

36.0349, 0.2489, 0.3699



Protanomaly

34.3966, 0.2928, 0.3578



Deuteranomaly

34.4818, 0.2899, 0.3383



Tritanomaly

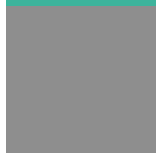
35.9582, 0.2401, 0.3288

Monochromacy



Original Color

36.0349, 0.2489, 0.3699



Achromatopsia

27.0498, 0.3127, 0.3290



Achromatomaly

29.3942, 0.2807, 0.3443

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.0349, 0.2489, 0.3699 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(61, 180, 156)` looks like.

```
.text, #text, p{  
    color:rgb(61, 180, 156)  
}
```

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(61, 180, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 180, 156) }
```

Border

The CSS property to change the border of an element to Yxy 36.0349, 0.2489, 0.3699 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(61, 180, 156) }
```

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

```
.border{ border-color:rgb(61, 180, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 180, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 180, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 180, 156);  
box-shadow:4px 4px 4px 4px rgb(61, 180,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 36.0349, 0.2489, 0.3699 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 180, 156) }
```

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

```
.background{ background-color: rgb(61, 180,  
156) }
```

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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