

Converting Colors

$Yxy(36.1980, 0.2461, 0.3495)$

Have a look what the booklet for
Yxy(36.1980, 0.2461, 0.3495)
contains.

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Color

$\text{Yxy}(36.2955, 0.2465, 0.3505)$

Conversions

Conversions Part 1

Format	Color
Hex	46B3A6
RGB	70, 179, 166
RGB Percent	27%, 70%, 65%
CMY	0.7256, 0.2980, 0.3491
CMYK	0.61, 0.00, 0.07, 0.30
HSL	173°, 44%, 49%
HSV	173°, 61%, 70%
XYZ	25.5259, 36.2955, 41.7321
YIQ	144.9270, -60.7910, -27.1510

Conversions

Conversions Part 2

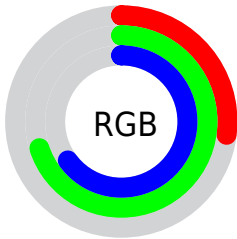
Format	Color
RYB	70, 128, 179
Decimal	4633510
CIELab	66.75, -34.07, -2.61
CIELCh	67, 34.170, 184.388
Yxy	36.2955, 0.2465, 0.3505
Android (android.graphics.Color)	4282823590 (0xFF46B3A6)
YUV	144.9270, 10.3890, -65.7110
Hunter-Lab	60.2457, -29.8002, 1.1020

Details

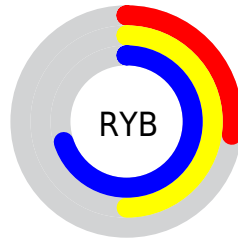
The Yxy color **36.2955, 0.2465, 0.3505** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **14.5847, 0.4780, 0.3120**, and the grayscale version is **28.2563, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.3042, 0.2588, 0.3462**, and **16.1366, 0.2327, 0.3577** is the 20% darker color. If you saturate the color by 10%, you get **35.6501, 0.2410, 0.3546**, and if you desaturate by 10%, it is **37.1433, 0.2539, 0.3465**.

Distribution



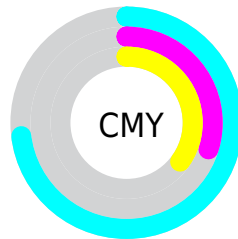
- Red (27%)
- Green (70%)
- Blue (65%)



- Red (27%)
- Yellow (50%)
- Blue (70%)



- Cyan (61%)
- Magenta (0%)
- Yellow (7%)
- Black (30%)





- Cyan (73%)
- Magenta (30%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.2955, 0.2465, 0.3505 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 36.2955, 0.2465, 0.3505 by changing the saturation by 10% instead.


 36.2955, 0.2465,
0.3505


 36.2955, 0.2465,
0.3505


330.2503, 0.2806,
0.3397


 24.6625, 0.2377,
0.3532


 69.4879, 0.2591,
0.3466


 15.8258, 0.2263,
0.3566


 91.8161, 0.2638,
0.3451


 9.4010, 0.2109,
0.3611

 118.4782, 0.2677,
0.3439

 5.0036, 0.1890,
0.3672

 149.8585, 0.2710,
0.3428

 2.2494, 0.1559,
0.3756

 186.3415, 0.2739,
0.3419

 0.7467, 0.0000,
0.4284

228.3115, 0.2764,

 0.0000, 0.0000,

0.3411

0.0000

276.1530, 0.2786,
0.3404

■ 36.2955, 0.2465,
0.3505

■ 36.2955, 0.2465,
0.3505

■ 35.6501, 0.2410,
0.3546

■ 37.1433, 0.2539,
0.3465

■ 35.1848, 0.2374,
0.3587

■ 38.2054, 0.2629,
0.3426

■ 34.8792, 0.2356,
0.3628

■ 39.4976, 0.2735,
0.3389

■ 34.6995, 0.2352,
0.3665

■ 41.0329, 0.2853,
0.3354

■ 42.8235, 0.2980,
0.3322

■ 44.8808, 0.3115,
0.3293

■ 47.2154, 0.3253,
0.3266

■ 49.8373, 0.3394,
0.3242

■ 52.7562, 0.3534,
0.3221

Harmonies

Analogous

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



36.2955, 0.2889, 0.3985



36.2955, 0.2465, 0.3505



36.2955, 0.2226, 0.2998

Triad

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



36.2955, 0.2465, 0.3505



36.2955, 0.2794, 0.2510



36.2955, 0.4132, 0.3849

Complementary

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



36.2955, 0.2465, 0.3505



14.5847, 0.4780, 0.3120

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.



36.2955, 0.4120, 0.3450



36.2955, 0.2465, 0.3505



36.2955, 0.3310, 0.2716

Square

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



36.2955, 0.2465, 0.3505



36.2955, 0.2404, 0.2474



36.2955, 0.3810, 0.3049



36.2955, 0.3858, 0.4149

Rectangle

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



36.2955, 0.2465, 0.3505



36.2955, 0.2188, 0.2735



36.2955, 0.3810, 0.3049



36.2955, 0.4163, 0.3721

Sweetspot

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



36.2969, 0.2465, 0.3505



74.2743, 0.2885, 0.3346



34.5932, 0.3129, 0.5172



16.2619, 0.2849, 0.3355



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.



36.2969, 0.2465, 0.3505



63.5316, 0.2396, 0.3560



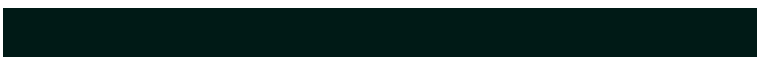
23.0282, 0.2236, 0.2588



9.6137, 0.3001, 0.3317



24.5243, 0.2350, 0.3660



0.7765, 0.2319, 0.3546

Inverse Universe

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



14.5847, 0.4780, 0.3120



21.3035, 0.5364, 0.3121



21.1667, 0.4596, 0.3850



8.5212, 0.3269, 0.3263



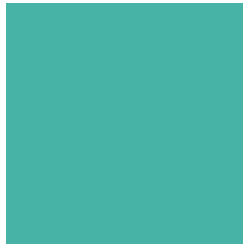
6.8168, 0.6230, 0.3205



0.2198, 0.5681, 0.2903

Previews

White Background



This preview shows how the Yxy color 36.2955, 0.2465, 0.3505 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 36.2955, 0.2465, 0.3505 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

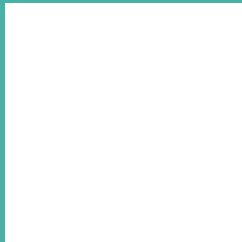
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 36.2955, 0.2465, 0.3505

Background



This preview shows how black text looks on a background with the Yxy color 36.2955, 0.2465, 0.3505.

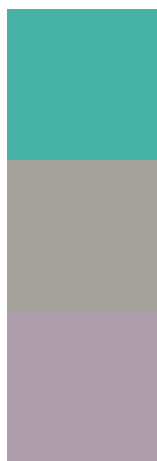


This preview shows how white text looks on a background with the Yxy color 36.2955, 0.2465, 0.3505.

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

36.2955, 0.2465, 0.3505

Protanopia

35.8556, 0.3219, 0.3377

Deuteranopia

35.9385, 0.3156, 0.3095



Tritanopia

36.4738, 0.2366, 0.3068

Trichromacy



Original Color

36.2955, 0.2465, 0.3505

Protanomaly

35.2543, 0.2867, 0.3430

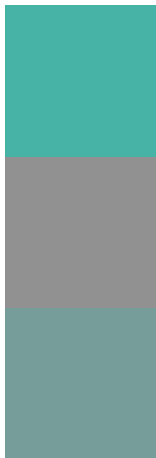
Deuteranomaly

35.0091, 0.2837, 0.3228

Tritanomaly

36.3170, 0.2400, 0.3224

Monochromacy



Original Color

36.2955, 0.2465, 0.3505

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

30.2654, 0.2803, 0.3356

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.2955, 0.2465, 0.3505 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(70, 179, 166)` looks like.

```
.text, #text, p{  
    color:rgb(70, 179, 166)  
}
```

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(70, 179, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 179, 166) }
```

Border

The CSS property to change the border of an element to Yxy 36.2955, 0.2465, 0.3505 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(70, 179, 166) }
```

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

```
.border{ border-color:rgb(70, 179, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 179, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 179, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 179, 166);  
box-shadow:4px 4px 4px 4px rgb(70, 179,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 36.2955, 0.2465, 0.3505 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 179, 166) }
```

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

```
.background{ background-color: rgb(70, 179,  
166) }
```

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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