

Converting Colors

$Yxy(36.3902, 0.2494, 0.3503)$

Have a look what the booklet for
Yxy(36.3902, 0.2494, 0.3503)
contains.

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Color

Yxy(36.5299, 0.2492, 0.3503)

Conversions

Conversions Part 1

Format	Color
Hex	4CB3A6
RGB	76, 179, 166
RGB Percent	30%, 70%, 65%
CMY	0.7018, 0.2980, 0.3490
CMYK	0.58, 0.00, 0.07, 0.30
HSL	172°, 40%, 50%
HSV	172°, 58%, 70%
XYZ	25.9870, 36.5299, 41.7648
YIQ	146.7210, -57.2150, -25.8790

Conversions

Conversions Part 2

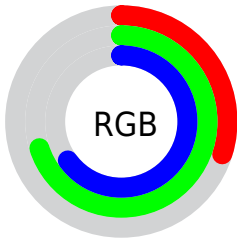
Format	Color
RYB	76, 131, 179
Decimal	5026726
CIELab	66.92, -32.91, -2.35
CIELCh	67, 32.989, 184.077
Yxy	36.5299, 0.2492, 0.3503
Android (android.graphics.Color)	4283216806 (0xFF4CB3A6)
YUV	146.7210, 9.5045, -62.0223
Hunter-Lab	60.4400, -29.0214, 1.3378

Details

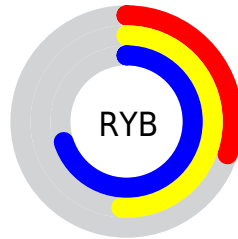
The Yxy color **36.5299, 0.2492, 0.3503** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **15.4802, 0.4624, 0.3115**, and the grayscale version is **29.0397, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.7055, 0.2611, 0.3461**, and **16.1366, 0.2327, 0.3577** is the 20% darker color. If you saturate the color by 10%, you get **35.8148, 0.2431, 0.3546**, and if you desaturate by 10%, it is **37.4533, 0.2571, 0.3461**.

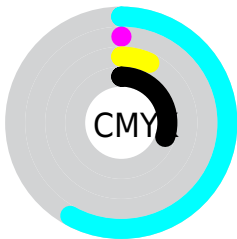
Distribution



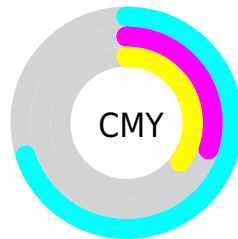
- Red (30%)
- Green (70%)
- Blue (65%)



- Red (30%)
- Yellow (51%)
- Blue (70%)



- Cyan (58%)
- Magenta (0%)
- Yellow (7%)
- Black (30%)





- Cyan (70%)
- Magenta (30%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.5299, 0.2492, 0.3503 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 36.5299, 0.2492, 0.3503 by changing the saturation by 10% instead.

 36.5299, 0.2492,
0.3503


 36.5299, 0.2492,
0.3503


331.2707, 0.2819,
0.3396


 24.8437, 0.2408,
0.3530


 69.8492, 0.2613,
0.3464


 15.9607, 0.2298,
0.3564


 92.2511, 0.2658,
0.3449


 9.4963, 0.2150,
0.3609


 118.9936, 0.2695,
0.3437

 5.0663, 0.1939,
0.3671

 150.4613, 0.2727,
0.3426

 2.2862, 0.1619,
0.3759

 187.0385, 0.2755,
0.3417

 0.7664, 0.0000,
0.4342

229.1095, 0.2779,

 0.0000, 0.0000,

0.3409

0.0000

277.0588, 0.2800,
0.3402

■ 36.5299, 0.2492,
0.3503

■ 36.5299, 0.2492,
0.3503

■ 35.8148, 0.2431,
0.3546

■ 37.4533, 0.2571,
0.3461

■ 35.2862, 0.2389,
0.3590

■ 38.5961, 0.2666,
0.3420

■ 34.9255, 0.2366,
0.3634

■ 39.9737, 0.2776,
0.3382

■ 34.7018, 0.2359,
0.3677

■ 41.5988, 0.2897,
0.3346

■ 34.6540, 0.2358,
0.3688

■ 43.4833, 0.3026,
0.3313

■ 45.6382, 0.3161,
0.3283

■ 48.0741, 0.3300,
0.3256

■ 50.8007, 0.3439,
0.3231

■ 53.8275, 0.3578,
0.3210

Harmonies

Analogous

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



36.5299, 0.2903, 0.3961



36.5299, 0.2492, 0.3503



36.5299, 0.2257, 0.3015

Triad

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



36.5299, 0.2492, 0.3503



36.5299, 0.2802, 0.2534



36.5299, 0.4097, 0.3828

Complementary

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



36.5299, 0.2492, 0.3503



15.4802, 0.4624, 0.3115

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.



36.5299, 0.4082, 0.3443



36.5299, 0.2492, 0.3503



36.5299, 0.3299, 0.2732

Square

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



36.5299, 0.2492, 0.3503



36.5299, 0.2426, 0.2502



36.5299, 0.3781, 0.3054



36.5299, 0.3837, 0.4117

Rectangle

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



36.5299, 0.2492, 0.3503



36.5299, 0.2219, 0.2759



36.5299, 0.3781, 0.3054



36.5299, 0.4125, 0.3705

Sweetspot

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



36.5313, 0.2492, 0.3503



74.5768, 0.2899, 0.3345



34.9239, 0.3134, 0.5062



16.3865, 0.2875, 0.3352



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.



36.5313, 0.2492, 0.3503



63.8631, 0.2418, 0.3558



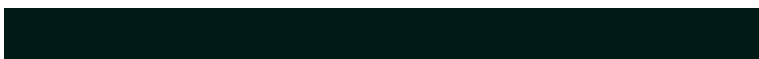
23.9159, 0.2278, 0.2635



9.6127, 0.3002, 0.3319



24.4956, 0.2356, 0.3682



0.7759, 0.2323, 0.3561

Inverse Universe

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



15.4802, 0.4624, 0.3115



22.5655, 0.5169, 0.3106



22.0941, 0.4485, 0.3827



8.5221, 0.3268, 0.3262



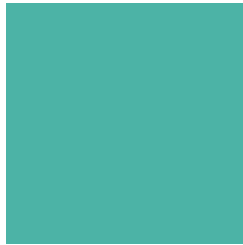
6.8203, 0.6217, 0.3198



0.2201, 0.5647, 0.2884

Previews

White Background



This preview shows how the Yxy color 36.5299, 0.2492, 0.3503 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 36.5299, 0.2492, 0.3503 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

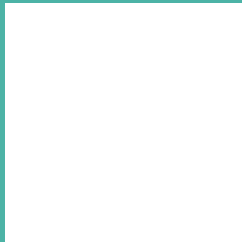
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 36.5299, 0.2492, 0.3503

Background



This preview shows how black text looks on a background with the Yxy color 36.5299, 0.2492, 0.3503.

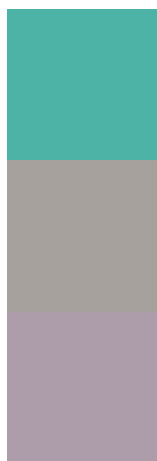


This preview shows how white text looks on a background with the Yxy color 36.5299, 0.2492, 0.3503.

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

36.5299, 0.2492, 0.3503

Protanopia

35.9970, 0.3220, 0.3363

Deuteranopia

35.9385, 0.3156, 0.3095



Tritanopia

36.6997, 0.2389, 0.3070

Trichromacy



Original Color

36.5299, 0.2492, 0.3503



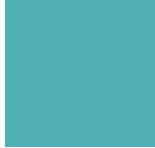
Protanomaly

35.5299, 0.2884, 0.3414



Deuteranomaly

35.1781, 0.2854, 0.3228



Tritanomaly

36.5743, 0.2428, 0.3224

Monochromacy



Original Color

36.5299, 0.2492, 0.3503



Achromatopsia

29.1771, 0.3127, 0.3290



Achromatomaly

31.1943, 0.2823, 0.3371

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.5299, 0.2492, 0.3503 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(76, 179, 166)` looks like.

```
.text, #text, p{  
    color:rgb(76, 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(76, 179, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 179, 166) }
```

Border

The CSS property to change the border of an element to Yxy 36.5299, 0.2492, 0.3503 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(76, 179, 166) }
```

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

```
.border{ border-color:rgb(76, 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(76, 179, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 179, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 179, 166);  
box-shadow:4px 4px 4px 4px rgb(76, 179,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 36.5299, 0.2492, 0.3503 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 179, 166) }
```

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

```
.background{ background-color: rgb(76, 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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