

Converting Colors

$Y_{xy}(36.1239, 0.2613, 0.4559)$

Have a look what the booklet for
Yxy(36.1239, 0.2613, 0.4559)
contains.

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Color

Yxy(36.0444, 0.2613, 0.4557)

Conversions

Conversions Part 1

Format	Color
Hex	0DB974
RGB	13, 185, 116
RGB Percent	5%, 73%, 45%
CMY	0.9484, 0.2745, 0.5452
CMYK	0.93, 0.00, 0.37, 0.27
HSL	156°, 87%, 39%
HSV	156°, 93%, 73%
XYZ	20.6680, 36.0444, 22.3844
YIQ	125.7060, -80.3630, -57.9230

Conversions

Conversions Part 2

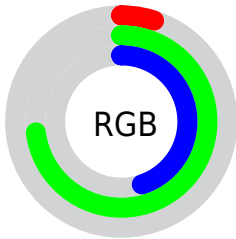
Format	Color
RYB	13, 121, 185
Decimal	899444
CIELab	66.55, -55.17, 24.30
CIELCh	67, 60.279, 156.231
Yxy	36.0444, 0.2613, 0.4557
Android (android.graphics.Color)	4279089524 (0xFF0DB974)
YUV	125.7060, -4.7851, -98.8432
Hunter-Lab	60.0370, -43.6154, 19.9200

Details

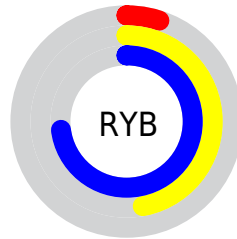
The Yxy color **36.0444, 0.2613, 0.4557** is a dark color, and the websafe version is hex **00CC99**. A complement of this color would be **11.2186, 0.5170, 0.2675**, and the grayscale version is **20.8129, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.9841, 0.2731, 0.4285**, and **16.3705, 0.2696, 0.4907** is the 20% darker color. If you saturate the color by 10%, you get **35.8395, 0.2629, 0.4664**, and if you desaturate by 10%, it is **36.4406, 0.2603, 0.4404**.

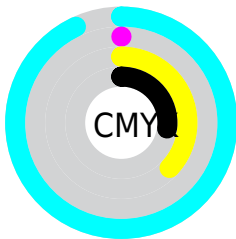
Distribution



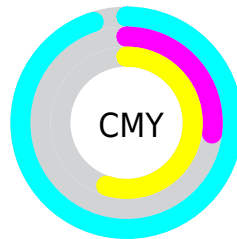
- Red (5%)
- Green (73%)
- Blue (45%)



- Red (5%)
- Yellow (47%)
- Blue (73%)



- Cyan (93%)
- Magenta (0%)
- Yellow (37%)
- Black (27%)




- Cyan (95%)
- Magenta (27%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.0444, 0.2613, 0.4557 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 36.0444, 0.2613, 0.4557 by changing the saturation by 10% instead.


 36.0444, 0.2613,
0.4557


 36.0444, 0.2613,
0.4557


329.1546, 0.2904,
0.3850

 24.4685, 0.2528,
0.4760


 69.1006, 0.2728,
0.4281


 15.6815, 0.2410,
0.5039


 91.3497, 0.2768,
0.4183


 9.2991, 0.2238,
0.5440

 117.9252, 0.2801,
0.4103

 4.9368, 0.1968,
0.6058

 149.2117, 0.2828,
0.4035

 2.2102, 0.1362,
0.7616

 185.5935, 0.2852,
0.3978

 0.7256, 0.0000,
1.0000

 227.4550, 0.2871,

 0.0000, 0.0000,

0.3929

0.0000

275.1805, 0.2889,
0.3887

■ 36.0444, 0.2613,
0.4557

■ 36.0444, 0.2613,
0.4557

■ 35.8395, 0.2629,
0.4664

■ 36.4406, 0.2603,
0.4404

■ 37.0152, 0.2612,
0.4248

■ 37.7944, 0.2641,
0.4093

■ 38.7988, 0.2688,
0.3942

■ 40.0466, 0.2751,
0.3797

■ 41.5538, 0.2827,
0.3662

■ 43.3354, 0.2912,
0.3536

■ 45.4048, 0.3004,
0.3421

■ 47.7747, 0.3099,
0.3318

Harmonies

Analogous

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



36.0444, 0.3457, 0.4992



36.0444, 0.2613, 0.4557



36.0444, 0.1957, 0.3581

Triad

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



36.0444, 0.2613, 0.4557



36.0444, 0.1958, 0.1950



36.0444, 0.4890, 0.3503

Complementary

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



36.0444, 0.2613, 0.4557



11.2186, 0.5170, 0.2675

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.



36.0444, 0.4380, 0.2889



36.0444, 0.2613, 0.4557



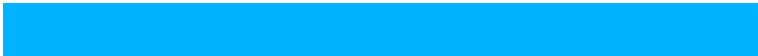
36.0444, 0.2585, 0.2043

Square

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



36.0444, 0.2613, 0.4557



36.0444, 0.1643, 0.2138



36.0444, 0.3478, 0.2374



36.0444, 0.4810, 0.4151

Rectangle

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



36.0444, 0.2613, 0.4557



36.0444, 0.1704, 0.2940



36.0444, 0.3478, 0.2374



36.0444, 0.4783, 0.3292

Sweetspot

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



36.0458, 0.2613, 0.4557



75.7716, 0.2864, 0.3605



36.6482, 0.3297, 0.5714



16.0525, 0.2828, 0.3660



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



36.0458, 0.2613, 0.4557



64.1396, 0.2635, 0.4687



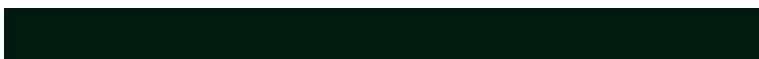
32.5954, 0.2190, 0.3047



10.1479, 0.3037, 0.3383



24.4178, 0.2624, 0.4645



0.8727, 0.2515, 0.4254

Inverse Universe

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



11.2186, 0.5170, 0.2675



19.3225, 0.5411, 0.2755



11.1502, 0.6190, 0.3369



9.0704, 0.3227, 0.3199



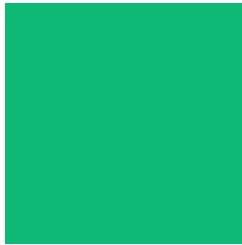
7.3762, 0.5339, 0.2715



0.2724, 0.4661, 0.2341

Previews

White Background



This preview shows how the Yxy color 36.0444, 0.2613, 0.4557 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 36.0444, 0.2613, 0.4557 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

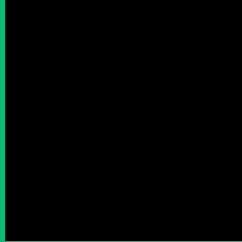
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.0444, 0.2613, 0.4557

Background



This preview shows how black text looks on a background with the Yxy color 36.0444, 0.2613, 0.4557.



This preview shows how white text looks on a background with the Yxy color 36.0444, 0.2613, 0.4557.

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

36.0444, 0.2613, 0.4557

Protanopia

35.5290, 0.3766, 0.4079

Deuteranopia

35.3601, 0.3796, 0.3717



Tritanopia

35.9617, 0.2313, 0.3065

Trichromacy



Original Color

36.0444, 0.2613, 0.4557



Protanomaly

33.5882, 0.3130, 0.4310



Deuteranomaly

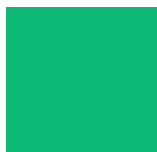
32.6263, 0.3137, 0.4045



Tritanomaly

35.4889, 0.2399, 0.3562

Monochromacy



Original Color

36.0444, 0.2613, 0.4557



Achromatopsia

20.8637, 0.3127, 0.3290



Achromatomaly

24.2039, 0.2762, 0.3779

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.0444, 0.2613, 0.4557 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(13, 185, 116)` looks like.

```
.text, #text, p{  
    color:rgb(13, 185, 116)  
}
```

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(13, 185, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 185, 116) }
```

Border

The CSS property to change the border of an element to Yxy 36.0444, 0.2613, 0.4557 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(13, 185, 116) }
```

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

```
.border{ border-color:rgb(13, 185, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(13, 185, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 185, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 185, 116);  
box-shadow:4px 4px 4px 4px rgb(13, 185,  
116) }
```


Background

The CSS property to change the background color of an element to Yxy 36.0444, 0.2613, 0.4557 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 185, 116) }
```

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

```
.background{ background-color: rgb(13, 185,  
116) }
```

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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