

Converting Colors

$Y_{xy}(36.1926, 0.2579, 0.4434)$

Have a look what the booklet for
Yxy(36.1926, 0.2579, 0.4434)
contains.

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Color

Yxy(36.1964, 0.2581, 0.4440)

Conversions

Conversions Part 1

Format	Color
Hex	0EB97A
RGB	14, 185, 122
RGB Percent	5%, 73%, 48%
CMY	0.9454, 0.2745, 0.5216
CMYK	0.92, 0.00, 0.34, 0.27
HSL	158°, 86%, 39%
HSV	158°, 92%, 73%
XYZ	21.0412, 36.1964, 24.2858
YIQ	126.6890, -81.6930, -55.8450

Conversions

Conversions Part 2

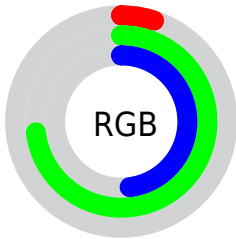
Format	Color
RYB	14, 119, 185
Decimal	964986
CIELab	66.67, -53.87, 21.24
CIElCh	67, 57.904, 158.477
Yxy	36.1964, 0.2581, 0.4440
Android (android.graphics.Color)	4279155066 (0xFF0EB97A)
YUV	126.6890, -2.3117, -98.8283
Hunter-Lab	60.1634, -42.8585, 18.1812

Details

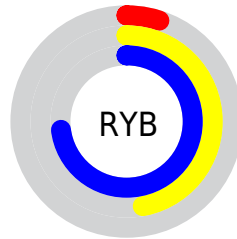
The Yxy color **36.1964, 0.2581, 0.4440** is a dark color, and the websafe version is hex **00CC99**. A complement of this color would be **11.1618, 0.5284, 0.2743**, and the grayscale version is **21.1320, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.2521, 0.2698, 0.4185**, and **16.4463, 0.2653, 0.4750** is the 20% darker color. If you saturate the color by 10%, you get **35.9814, 0.2596, 0.4544**, and if you desaturate by 10%, it is **36.5938, 0.2574, 0.4300**.

Distribution



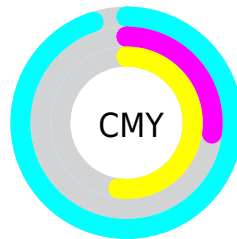
- Red (5%)
- Green (73%)
- Blue (48%)



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



- Cyan (92%)
- Magenta (0%)
- Yellow (34%)
- Black (27%)





- Cyan (95%)
- Magenta (27%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.1964, 0.2581, 0.4440 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 36.1964, 0.2581, 0.4440 by changing the saturation by 10% instead.


 36.1964, 0.2581,
0.4440


 36.1964, 0.2581,
0.4440

329.8182, 0.2884,
0.3801


 24.5859, 0.2494,
0.4623


 69.3351, 0.2699,
0.4191

 15.7688, 0.2376,
0.4873


 91.6321, 0.2741,
0.4103

 9.3607, 0.2207,
0.5232


 118.2601, 0.2775,
0.4030

 4.9772, 0.1945,
0.5788

 149.6034, 0.2804,
0.3970

 2.2339, 0.1373,
0.6987

 186.0465, 0.2829,
0.3918

 0.7384, 0.0000,
1.0000

 227.9737, 0.2850,

 0.0000, 0.0000,

0.3874

0.0000

275.7695, 0.2868,
0.3835

■ 36.1964, 0.2581,
0.4440

■ 36.1964, 0.2581,
0.4440

■ 35.9814, 0.2596,
0.4544

■ 36.5938, 0.2574,
0.4300

■ 37.1687, 0.2587,
0.4157

■ 37.9469, 0.2620,
0.4016

■ 38.9489, 0.2670,
0.3879

■ 40.1926, 0.2737,
0.3748

■ 41.6942, 0.2816,
0.3625

■ 43.4682, 0.2906,
0.3511

■ 45.5281, 0.3002,
0.3406

■ 47.8866, 0.3102,
0.3312

Harmonies

Analogous

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



36.1964, 0.3391, 0.4912



36.1964, 0.2581, 0.4440



36.1964, 0.1966, 0.3499

Triad

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



36.1964, 0.2581, 0.4440



36.1964, 0.2033, 0.1992



36.1964, 0.4835, 0.3552

Complementary

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



36.1964, 0.2581, 0.4440



11.1618, 0.5284, 0.2743

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.



36.1964, 0.4383, 0.2949



36.1964, 0.2581, 0.4440



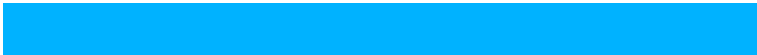
36.1964, 0.2665, 0.2100

Square

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



36.1964, 0.2581, 0.4440



36.1964, 0.1704, 0.2156



36.1964, 0.3535, 0.2438



36.1964, 0.4726, 0.4179

Rectangle

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



36.1964, 0.2581, 0.4440



36.1964, 0.1735, 0.2898



36.1964, 0.3535, 0.2438



36.1964, 0.4746, 0.3345

Sweetspot

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



36.1978, 0.2581, 0.4440



75.8858, 0.2851, 0.3578



36.4156, 0.3261, 0.5738



16.0801, 0.2814, 0.3628



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.



36.1978, 0.2581, 0.4440



64.3914, 0.2602, 0.4566



30.5224, 0.2164, 0.2948



10.1530, 0.3033, 0.3376



24.5129, 0.2591, 0.4527



0.8756, 0.2491, 0.4168

Inverse Universe

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



11.1618, 0.5284, 0.2743



19.1822, 0.5546, 0.2829



11.4836, 0.6133, 0.3410



9.0655, 0.3232, 0.3206



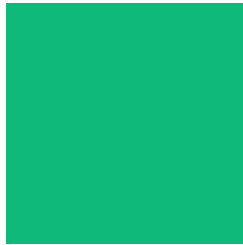
7.3215, 0.5473, 0.2788



0.2702, 0.4761, 0.2396

Previews

White Background



This preview shows how the Yxy color 36.1964, 0.2581, 0.4440 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 36.1964, 0.2581, 0.4440 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 36.1964, 0.2581, 0.4440

Background



This preview shows how black text looks on a background with the Yxy color 36.1964, 0.2581, 0.4440.

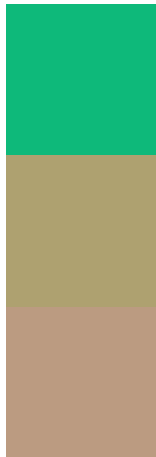


This preview shows how white text looks on a background with the Yxy color 36.1964, 0.2581, 0.4440.

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

36.1964, 0.2581, 0.4440

Protanopia

35.6583, 0.3712, 0.3995

Deuteranopia

35.5925, 0.3710, 0.3650



Tritanopia

35.9361, 0.2300, 0.3049

Trichromacy



Original Color

36.1964, 0.2581, 0.4440



Protanomaly

33.7234, 0.3084, 0.4206



Deuteranomaly

33.0639, 0.3078, 0.3958



Tritanomaly

35.5742, 0.2380, 0.3509

Monochromacy



Original Color

36.1964, 0.2581, 0.4440



Achromatopsia

21.2231, 0.3127, 0.3290



Achromatomaly

24.6389, 0.2748, 0.3735

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.1964, 0.2581, 0.4440 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(14, 185, 122)` looks like.

```
.text, #text, p{  
    color:rgb(14, 185, 122)  
}
```

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(14, 185, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(14, 185, 122) }
```

Border

The CSS property to change the border of an element to Yxy 36.1964, 0.2581, 0.4440 is called "border". The border property can be set on classes, ids or directly on the HTML element.

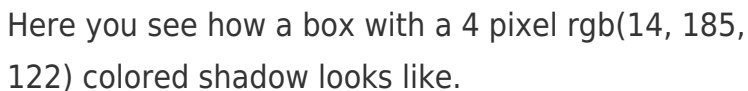
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(14, 185, 122) }
```

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

```
.border{ border-color:rgb(14, 185, 122) }
```

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



Here you see how a box with a 4 pixel `rgb(14, 185, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(14, 185, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(14, 185, 122);  
box-shadow:4px 4px 4px 4px rgb(14, 185,  
122) }
```


Background

The CSS property to change the background color of an element to Yxy 36.1964, 0.2581, 0.4440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(14, 185, 122) }
```

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

```
.background{ background-color: rgb(14, 185,  
122) }
```

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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