

Converting Colors

$Yxy(36.6661, 0.2669, 0.4610)$

Have a look what the booklet for
Yxy(36.6661, 0.2669, 0.4610)
contains.

Yxy(36.6501, 0.2669, 0.4614)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(36.6501, 0.2669, 0.4614)

Conversions

Conversions Part 1

Format	Color
Hex	22BA71
RGB	34, 186, 113
RGB Percent	13%, 73%, 44%
CMY	0.8665, 0.2706, 0.5568
CMYK	0.82, 0.00, 0.39, 0.27
HSL	151°, 69%, 43%
HSV	151°, 82%, 73%
XYZ	21.2005, 36.6501, 21.5818
YIQ	132.2300, -67.1590, -54.9270

Conversions

Conversions Part 2

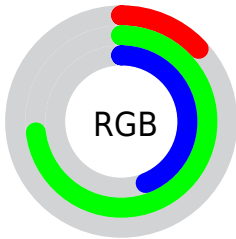
Format	Color
RYB	34, 134, 186
Decimal	2275953
CIELab	67.01, -54.59, 26.52
CIElCh	67, 60.687, 154.092
Yxy	36.6501, 0.2669, 0.4614
Android (android.graphics.Color)	4280466033 (0xFF22BA71)
YUV	132.2300, -9.4804, -86.1477
Hunter-Lab	60.5393, -43.4342, 21.2411

Details

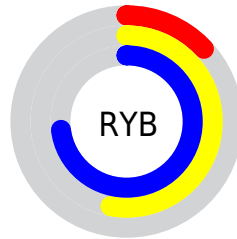
The Yxy color **36.6501, 0.2669, 0.4614** is a dark color, and the websafe version is hex **00CC99**. A complement of this color would be **12.6481, 0.4581, 0.2468**, and the grayscale version is **23.2202, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.8820, 0.2775, 0.4330**, and **16.6028, 0.2722, 0.4997** is the 20% darker color. If you saturate the color by 10%, you get **36.2246, 0.2683, 0.4796**, and if you desaturate by 10%, it is **37.2693, 0.2675, 0.4427**.

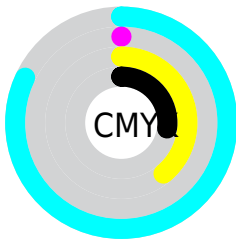
Distribution



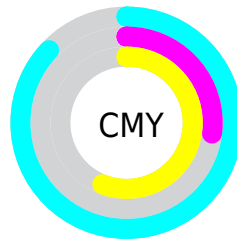
- Red (13%)
- Green (73%)
- Blue (44%)



- Red (13%)
- Yellow (53%)
- Blue (73%)



- Cyan (82%)
- Magenta (0%)
- Yellow (39%)
- Black (27%)





- Cyan (87%)
- Magenta (27%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.6501, 0.2669, 0.4614 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 36.6501, 0.2669, 0.4614 by changing the saturation by 10% instead.


 36.6501, 0.2669,
0.4614


 36.6501, 0.2669,
0.4614

331.7932, 0.2933,
0.3876

 24.9367, 0.2590,
0.4826


 70.0343, 0.2774,
0.4326


 16.0299, 0.2480,
0.5115


 92.4739, 0.2811,
0.4224

 9.5453, 0.2317,
0.5529


 119.2577, 0.2840,
0.4140

 5.0985, 0.2058,
0.6163

 150.7700, 0.2865,
0.4070

 2.3052, 0.1546,
0.7788

 187.3954, 0.2886,
0.4010

 0.7765, 0.0000,
1.0000

229.5181, 0.2904,

 0.0000, 0.0000,

0.3959

0.0000

277.5225, 0.2919,
0.3915

■ 36.6501, 0.2669,
0.4614

■ 36.6501, 0.2669,
0.4614

■ 36.2246, 0.2683,
0.4796

■ 37.2693, 0.2675,
0.4427

■ 35.9750, 0.2706,
0.4941


■ 38.1025, 0.2700,
0.4240

■ 39.1721, 0.2742,
0.4057


■ 40.4962, 0.2800,
0.3883

■ 42.0914, 0.2868,
0.3719

 43.9726, 0.2945,
0.3569

 46.1537, 0.3028,
0.3432

 48.6476, 0.3113,
0.3309

 51.4665, 0.3198,
0.3200

Harmonies

Analogous

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



36.6501, 0.3519, 0.4995



36.6501, 0.2669, 0.4614



36.6501, 0.1992, 0.3655

Triad

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



36.6501, 0.2669, 0.4614



36.6501, 0.1924, 0.1952



36.6501, 0.4875, 0.3458

Complementary

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



36.6501, 0.2669, 0.4614



12.6481, 0.4581, 0.2468

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.



36.6501, 0.4325, 0.2847



36.6501, 0.2669, 0.4614



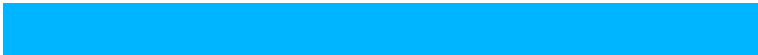
36.6501, 0.2530, 0.2027

Square

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



36.6501, 0.2669, 0.4614



36.6501, 0.1631, 0.2162



36.6501, 0.3409, 0.2343



36.6501, 0.4836, 0.4106

Rectangle

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



36.6501, 0.2669, 0.4614



36.6501, 0.1722, 0.3002



36.6501, 0.3409, 0.2343



36.6501, 0.4753, 0.3247

Sweetspot

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



36.6516, 0.2669, 0.4614



78.3724, 0.2916, 0.3623



38.3903, 0.3423, 0.5482



16.9958, 0.2889, 0.3677



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



36.6516, 0.2669, 0.4614



65.2486, 0.2707, 0.4934



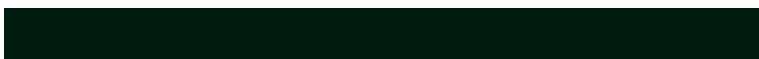
37.9466, 0.2272, 0.3247



10.1360, 0.3048, 0.3402



24.2178, 0.2700, 0.4919



0.8662, 0.2572, 0.4458

Inverse Universe

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



12.6481, 0.4581, 0.2468



20.3557, 0.5031, 0.2555



11.8519, 0.5930, 0.3317



9.0821, 0.3215, 0.3181



7.5272, 0.5014, 0.2536



0.2779, 0.4430, 0.2214

Previews

White Background



This preview shows how the Yxy color 36.6501, 0.2669, 0.4614 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 36.6501, 0.2669, 0.4614 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 36.6501, 0.2669, 0.4614

Background



This preview shows how black text looks on a background with the Yxy color 36.6501, 0.2669, 0.4614.



This preview shows how white text looks on a background with the Yxy color 36.6501, 0.2669, 0.4614.

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

36.6501, 0.2669, 0.4614

Protanopia

36.0500, 0.3809, 0.4127

Deuteranopia

35.8751, 0.3843, 0.3767



Tritanopia

36.6617, 0.2339, 0.3068

Trichromacy



Original Color

36.6501, 0.2669, 0.4614



Protanomaly

34.4724, 0.3223, 0.4352



Deuteranomaly

33.6251, 0.3245, 0.4090



Tritanomaly

36.2167, 0.2442, 0.3576

Monochromacy



Original Color

36.6501, 0.2669, 0.4614



Achromatopsia

23.0740, 0.3127, 0.3290



Achromatomaly

26.4239, 0.2837, 0.3794

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.6501, 0.2669, 0.4614 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(34, 186, 113)` looks like.

```
.text, #text, p{  
    color:rgb(34, 186, 113)  
}
```

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(34, 186, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 186, 113) }
```

Border

The CSS property to change the border of an element to Yxy 36.6501, 0.2669, 0.4614 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(34, 186, 113) }
```

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

```
.border{ border-color:rgb(34, 186, 113) }
```

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

Here you see how a box with a 4 pixel rgb(34, 186, 113) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 186, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 186, 113);  
box-shadow:4px 4px 4px 4px rgb(34, 186,  
113) }
```


Background

The CSS property to change the background color of an element to Yxy 36.6501, 0.2669, 0.4614 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 186, 113) }
```

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

```
.background{ background-color: rgb(34, 186,  
113) }
```

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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