

Converting Colors

$Y_{xy}(35.0230, 0.2468, 0.3799)$

Have a look what the booklet for
Yxy(35.0230, 0.2468, 0.3799)
contains.

Yxy(35.0230, 0.2468, 0.3799)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(35.0230, 0.2468, 0.3799)

Conversions

Conversions Part 1

Format	Color
Hex	2EB396
RGB	46, 179, 150
RGB Percent	18%, 70%, 59%
CMY	0.8195, 0.2980, 0.4118
CMYK	0.74, 0.00, 0.16, 0.30
HSL	167°, 59%, 44%
HSV	167°, 74%, 70%
XYZ	22.7525, 35.0230, 34.4145
YIQ	135.9270, -69.9590, -37.2150

Conversions

Conversions Part 2

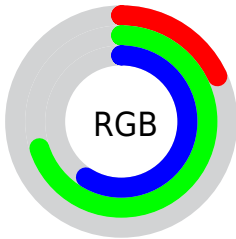
Format	Color
RYB	46, 121, 179
Decimal	3060630
CIELab	65.77, -41.99, 4.74
CIElCh	66, 42.253, 173.557
Yxy	35.0230, 0.2468, 0.3799
Android (android.graphics.Color)	4281250710 (0xFF2EB396)
YUV	135.9270, 6.9380, -78.8660
Hunter-Lab	59.1802, -34.9391, 6.9478

Details

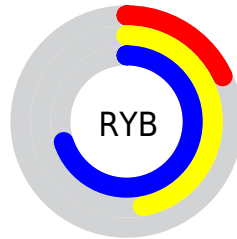
The Yxy color **35.0230, 0.2468, 0.3799** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **12.0486, 0.5111, 0.2955**, and the grayscale version is **24.5886, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.7953, 0.2599, 0.3703**, and **15.5681, 0.2429, 0.3945** is the 20% darker color. If you saturate the color by 10%, you get **34.5678, 0.2446, 0.3879**, and if you desaturate by 10%, it is **35.6584, 0.2509, 0.3720**.

Distribution



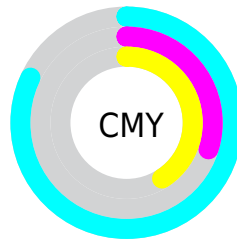
- Red (18%)
- Green (70%)
- Blue (59%)



- Red (18%)
- Yellow (47%)
- Blue (70%)



- Cyan (74%)
- Magenta (0%)
- Yellow (16%)
- Black (30%)





- Cyan (82%)
- Magenta (30%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.0230, 0.2468, 0.3799 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 35.0230, 0.2468, 0.3799 by changing the saturation by 10% instead.

 35.0230, 0.2468,
0.3799


 35.0230, 0.2468,
0.3799


324.6698, 0.2814,
0.3527

 23.6806, 0.2376,
0.3873


 67.5214, 0.2598,
0.3696


 15.0969, 0.2256,
0.3972


 89.4462, 0.2645,
0.3658


 8.8874, 0.2090,
0.4110


 115.6672, 0.2685,
0.3627

 4.6678, 0.1850,
0.4318

 146.5689, 0.2718,
0.3601

 2.0537, 0.1444,
0.4676

 182.5356, 0.2747,
0.3579

 0.6384, 0.0000,
0.6371

223.9517, 0.2772,

 0.0000, 0.0000,

0.3559

0.0000

271.2017, 0.2794,
0.3542

■ 35.0230, 0.2468,
0.3799

■ 35.0230, 0.2468,
0.3799

■ 34.5678, 0.2446,
0.3879

■ 35.6584, 0.2509,
0.3720

■ 34.2656, 0.2442,
0.3958

■ 36.4891, 0.2569,
0.3642

■ 34.1331, 0.2445,
0.4003

■ 37.5332, 0.2647,
0.3568

■ 38.8056, 0.2738,
0.3497

■ 40.3200, 0.2842,
0.3430

■ 42.0887, 0.2955,
0.3369

■ 44.1234, 0.3075,
0.3312

■ 46.4349, 0.3198,
0.3262

■ 49.0336, 0.3323,
0.3216

Harmonies

Analogous

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



35.0230, 0.3041, 0.4337



35.0230, 0.2468, 0.3799



35.0230, 0.2095, 0.3126

Triad

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



35.0230, 0.2468, 0.3799



35.0230, 0.2515, 0.2299



35.0230, 0.4418, 0.3782

Complementary

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



35.0230, 0.2468, 0.3799



12.0486, 0.5111, 0.2955

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.



35.0230, 0.4272, 0.3287



35.0230, 0.2468, 0.3799



35.0230, 0.3107, 0.2480

Square

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



35.0230, 0.2468, 0.3799



35.0230, 0.2126, 0.2329



35.0230, 0.3769, 0.2829



35.0230, 0.4181, 0.4226

Rectangle

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



35.0230, 0.2468, 0.3799



35.0230, 0.1990, 0.2750



35.0230, 0.3769, 0.2829



35.0230, 0.4415, 0.3618

Sweetspot

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



35.0244, 0.2468, 0.3799



72.7810, 0.2863, 0.3418



34.0184, 0.3184, 0.5503



15.9493, 0.2834, 0.3435



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.



35.0244, 0.2468, 0.3799



61.5429, 0.2442, 0.3928



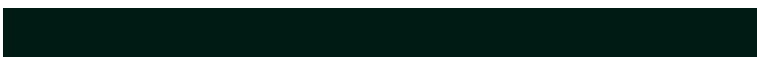
23.6444, 0.2153, 0.2656



9.5992, 0.3014, 0.3340



24.1296, 0.2443, 0.3994



0.7671, 0.2382, 0.3774

Inverse Universe

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



12.0486, 0.5111, 0.2955



18.3315, 0.5729, 0.3020



15.7391, 0.5220, 0.3724



8.5346, 0.3254, 0.3241



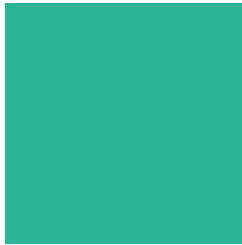
6.8842, 0.5993, 0.3075



0.2253, 0.5228, 0.2654

Previews

White Background



This preview shows how the Yxy color 35.0230, 0.2468, 0.3799 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 35.0230, 0.2468, 0.3799 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

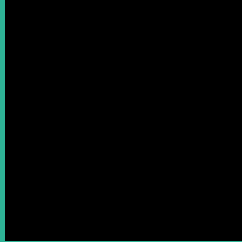
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.0230, 0.2468, 0.3799

Background



This preview shows how black text looks on a background with the Yxy color 35.0230, 0.2468, 0.3799.

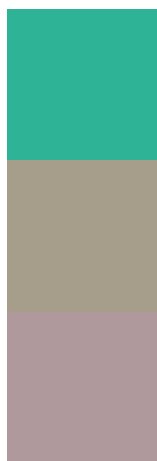


This preview shows how white text looks on a background with the Yxy color 35.0230, 0.2468, 0.3799.

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

35.0230, 0.2468, 0.3799

Protanopia

34.4248, 0.3383, 0.3571

Deuteranopia

34.2967, 0.3321, 0.3248



Tritanopia

35.0962, 0.2315, 0.3063

Trichromacy



Original Color

35.0230, 0.2468, 0.3799



Protanomaly

33.3932, 0.2924, 0.3668



Deuteranomaly

32.7629, 0.2885, 0.3418



Tritanomaly

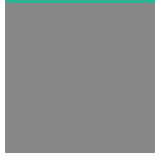
35.0365, 0.2367, 0.3321

Monochromacy



Original Color

35.0230, 0.2468, 0.3799



Achromatopsia

24.6201, 0.3127, 0.3290



Achromatomaly

27.2631, 0.2765, 0.3486

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.0230, 0.2468, 0.3799 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(46, 179, 150)` looks like.

```
.text, #text, p{  
    color:rgb(46, 179, 150)  
}
```

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(46, 179, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 179, 150) }
```

Border

The CSS property to change the border of an element to Yxy 35.0230, 0.2468, 0.3799 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(46, 179, 150) }
```

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

```
.border{ border-color:rgb(46, 179, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 179, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 179, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 179, 150);  
box-shadow:4px 4px 4px 4px rgb(46, 179,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 35.0230, 0.2468, 0.3799 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 179, 150) }
```

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

```
.background{ background-color: rgb(46, 179,  
150) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor