

Converting Colors

$Yxy(35.4704, 0.2594, 0.4090)$

Have a look what the booklet for
Yxy(35.4704, 0.2594, 0.4090)
contains.

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Color

$\text{Yxy}(35.6669, 0.2600, 0.4106)$

Conversions

Conversions Part 1

Format	Color
Hex	39B587
RGB	57, 181, 135
RGB Percent	22%, 71%, 53%
CMY	0.7764, 0.2902, 0.4706
CMYK	0.68, 0.00, 0.25, 0.29
HSL	158°, 52%, 47%
HSV	158°, 68%, 71%
XYZ	22.5850, 35.6669, 28.6134
YIQ	138.6800, -59.1380, -40.5940

Conversions

Conversions Part 2

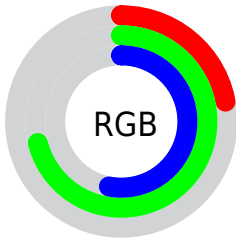
Format	Color
RYB	57, 133, 181
Decimal	3782023
CIELab	66.26, -44.90, 13.73
CIElCh	66, 46.949, 162.995
Yxy	35.6669, 0.2600, 0.4106
Android (android.graphics.Color)	4281972103 (0xFF39B587)
YUV	138.6800, -1.8142, -71.6334
Hunter-Lab	59.7218, -37.0098, 13.3987

Details

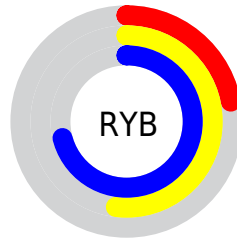
The Yxy color **35.6669, 0.2600, 0.4106** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **13.7327, 0.4505, 0.2694**, and the grayscale version is **25.7165, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.7018, 0.2711, 0.3941**, and **15.8346, 0.2547, 0.4371** is the 20% darker color. If you saturate the color by 10%, you get **35.0443, 0.2579, 0.4249**, and if you desaturate by 10%, it is **36.4939, 0.2640, 0.3965**.

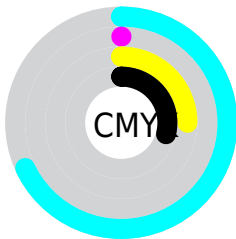
Distribution



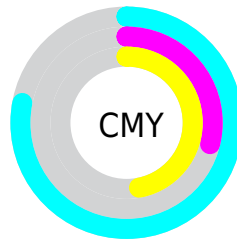
- Red (22%)
- Green (71%)
- Blue (53%)



- Red (22%)
- Yellow (52%)
- Blue (71%)



- Cyan (68%)
- Magenta (0%)
- Yellow (25%)
- Black (29%)




- Cyan (78%)
- Magenta (29%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.6669, 0.2600, 0.4106 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 35.6669, 0.2600, 0.4106 by changing the saturation by 10% instead.


 35.6669, 0.2600,
0.4106

 35.6669, 0.2600,
0.4106


327.5023, 0.2884,
0.3659

 24.1770, 0.2522,
0.4232


 68.5176, 0.2709,
0.3933

 15.4650, 0.2417,
0.4403


 90.6473, 0.2748,
0.3872


 9.1464, 0.2268,
0.4649


 117.0923, 0.2780,
0.3821

 4.8368, 0.2045,
0.5028

 148.2372, 0.2808,
0.3778

 2.1518, 0.1633,
0.5710

 184.4662, 0.2831,
0.3742

 0.6935, 0.0000,
1.0000

226.1638, 0.2851,

 0.0000, 0.0000,

0.3710

0.0000

273.7143, 0.2869,
0.3683

■ 35.6669, 0.2600,
0.4106

■ 35.6669, 0.2600,
0.4106

■ 35.0443, 0.2579,
0.4249

■ 36.4939, 0.2640,
0.3965

■ 34.6004, 0.2578,
0.4391

■ 37.5393, 0.2697,
0.3829

■ 34.3004, 0.2595,
0.4531

■ 38.8207, 0.2769,
0.3700

■ 34.2597, 0.2598,
0.4552

■ 40.3529, 0.2852,
0.3580

■ 42.1492, 0.2944,
0.3469

■ 44.2221, 0.3042,
0.3368

■ 46.5832, 0.3142,
0.3277

■ 49.2435, 0.3244,
0.3196

■ 52.2133, 0.3345,
0.3124

Harmonies

Analogous

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



35.6669, 0.3268, 0.4567



35.6669, 0.2600, 0.4106



35.6669, 0.2108, 0.3357

Triad

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



35.6669, 0.2600, 0.4106



35.6669, 0.2278, 0.2195



35.6669, 0.4545, 0.3624

Complementary

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



35.6669, 0.2600, 0.4106



13.7327, 0.4505, 0.2694

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.



35.6669, 0.4233, 0.3095



35.6669, 0.2600, 0.4106



35.6669, 0.2853, 0.2316

Square

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



35.6669, 0.2600, 0.4106



35.6669, 0.1950, 0.2310



35.6669, 0.3581, 0.2634



35.6669, 0.4415, 0.4145

Rectangle

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



35.6669, 0.2600, 0.4106



35.6669, 0.1931, 0.2892



35.6669, 0.3581, 0.2634



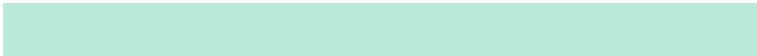
35.6669, 0.4490, 0.3444

Sweetspot

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



35.6683, 0.2600, 0.4106



74.5181, 0.2917, 0.3500



36.3203, 0.3337, 0.5262



15.9154, 0.2892, 0.3530



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.



35.6683, 0.2600, 0.4106



62.3369, 0.2576, 0.4319



31.6754, 0.2285, 0.3045



9.5770, 0.3034, 0.3376



23.6311, 0.2593, 0.4535



0.7544, 0.2485, 0.4145

Inverse Universe

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



13.7327, 0.4505, 0.2694



20.4725, 0.4984, 0.2686



14.6887, 0.5218, 0.3471



8.5557, 0.3231, 0.3206



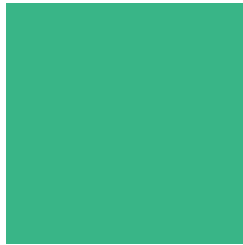
7.0655, 0.5458, 0.2781



0.2338, 0.4692, 0.2359

Previews

White Background



This preview shows how the Yxy color 35.6669, 0.2600, 0.4106 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 35.6669, 0.2600, 0.4106 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 35.6669, 0.2600, 0.4106

Background



This preview shows how black text looks on a background with the Yxy color 35.6669, 0.2600, 0.4106.



This preview shows how white text looks on a background with the Yxy color 35.6669, 0.2600, 0.4106.

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

35.6669, 0.2600, 0.4106

Protanopia

35.1683, 0.3552, 0.3803

Deuteranopia

34.9794, 0.3540, 0.3473



Tritanopia

35.5652, 0.2365, 0.3066

Trichromacy



Original Color

35.6669, 0.2600, 0.4106



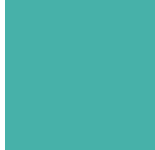
Protanomaly

34.2574, 0.3097, 0.3927



Deuteranomaly

33.7334, 0.3090, 0.3689



Tritanomaly

35.6484, 0.2445, 0.3421

Monochromacy



Original Color

35.6669, 0.2600, 0.4106



Achromatopsia

25.8183, 0.3127, 0.3290



Achromatomaly

28.1974, 0.2843, 0.3571

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.6669, 0.2600, 0.4106 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(57, 181, 135)` looks like.

```
.text, #text, p{  
    color:rgb(57, 181, 135)  
}
```

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(57, 181, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 181, 135) }
```

Border

The CSS property to change the border of an element to Yxy 35.6669, 0.2600, 0.4106 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(57, 181, 135) }
```

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

```
.border{ border-color:rgb(57, 181, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 181, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 181, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 181, 135);  
box-shadow:4px 4px 4px 4px rgb(57, 181,  
135) }
```


Background

The CSS property to change the background color of an element to Yxy 35.6669, 0.2600, 0.4106 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 181, 135) }
```

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

```
.background{ background-color: rgb(57, 181,  
135) }
```

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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