

Converting Colors

$Y_{xy}(35.8949, 0.2627, 0.4349)$

Have a look what the booklet for
Yxy(35.8949, 0.2627, 0.4349)
contains.

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Color

Yxy(35.8801, 0.2628, 0.4355)

Conversions

Conversions Part 1

Format	Color
Hex	2DB77C
RGB	45, 183, 124
RGB Percent	18%, 72%, 49%
CMY	0.8238, 0.2823, 0.5137
CMYK	0.75, 0.00, 0.32, 0.28
HSL	154°, 61%, 45%
HSV	154°, 75%, 72%
XYZ	21.6516, 35.8801, 24.8565
YIQ	135.0120, -63.3090, -47.6050

Conversions

Conversions Part 2

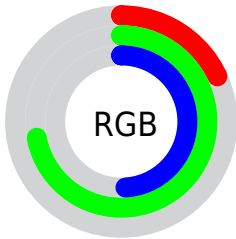
Format	Color
RYB	45, 133, 183
Decimal	2996092
CIELab	66.43, -49.93, 19.88
CIElCh	66, 53.742, 158.285
Yxy	35.8801, 0.2628, 0.4355
Android (android.graphics.Color)	4281186172 (0xFF2DB77C)
YUV	135.0120, -5.4289, -78.9405
Hunter-Lab	59.9000, -40.3038, 17.3266

Details

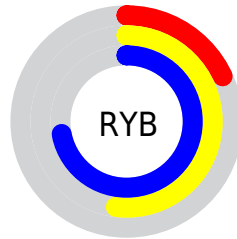
The Yxy color **35.8801, 0.2628, 0.4355** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **12.9369, 0.4568, 0.2574**, and the grayscale version is **24.2642, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.8740, 0.2733, 0.4124**, and **16.2085, 0.2633, 0.4680** is the 20% darker color. If you saturate the color by 10%, you get **35.3632, 0.2626, 0.4520**, and if you desaturate by 10%, it is **36.5953, 0.2650, 0.4189**.

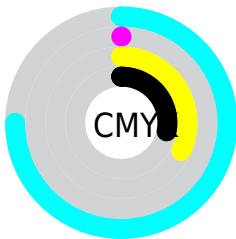
Distribution



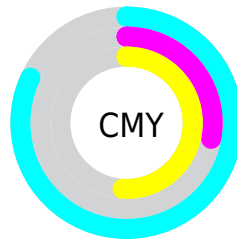
- Red (18%)
- Green (72%)
- Blue (49%)



- Red (18%)
- Yellow (52%)
- Blue (72%)



- Cyan (75%)
- Magenta (0%)
- Yellow (32%)
- Black (28%)




- Cyan (82%)
- Magenta (28%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.8801, 0.2628, 0.4355 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 35.8801, 0.2628, 0.4355 by changing the saturation by 10% instead.

 35.8801, 0.2628,
0.4355


 35.8801, 0.2628,
0.4355


328.4362, 0.2905,
0.3765

 24.3416, 0.2549,
0.4524


 68.8470, 0.2736,
0.4125


 15.5872, 0.2441,
0.4754


 91.0441, 0.2774,
0.4044


 9.2325, 0.2286,
0.5086


 117.5630, 0.2805,
0.3977

 4.8932, 0.2045,
0.5600

 148.7879, 0.2832,
0.3921

 2.1847, 0.1552,
0.6651

 185.1033, 0.2854,
0.3873

 0.7116, 0.0000,
1.0000

226.8935, 0.2873,

 0.0000, 0.0000,

0.3832

0.0000

274.5430, 0.2890,
0.3796

■ 35.8801, 0.2628,
0.4355

■ 35.8801, 0.2628,
0.4355

■ 35.3632, 0.2626,
0.4520

■ 36.5953, 0.2650,
0.4189

■ 35.0142, 0.2643,
0.4682

■ 37.5256, 0.2691,
0.4026

■ 34.8860, 0.2654,
0.4754

■ 38.6905, 0.2748,
0.3870

■ 40.1064, 0.2818,
0.3722

■ 41.7880, 0.2898,
0.3585

■ 43.7489, 0.2985,
0.3460

■ 46.0016, 0.3076,
0.3347

■ 48.5580, 0.3170,
0.3245

■ 51.4294, 0.3263,
0.3155

Harmonies

Analogous

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



35.8801, 0.3392, 0.4794



35.8801, 0.2628, 0.4355



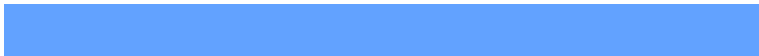
35.8801, 0.2042, 0.3495

Triad

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



35.8801, 0.2628, 0.4355



35.8801, 0.2095, 0.2066



35.8801, 0.4720, 0.3547

Complementary

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



35.8801, 0.2628, 0.4355



12.9369, 0.4568, 0.2574

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.



35.8801, 0.4293, 0.2972



35.8801, 0.2628, 0.4355



35.8801, 0.2693, 0.2165

Square

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



35.8801, 0.2628, 0.4355



35.8801, 0.1782, 0.2229



35.8801, 0.3505, 0.2486



35.8801, 0.4632, 0.4138

Rectangle

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



35.8801, 0.2628, 0.4355



35.8801, 0.1818, 0.2937



35.8801, 0.3505, 0.2486



35.8801, 0.4633, 0.3350

Sweetspot

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



35.8815, 0.2628, 0.4355



75.5214, 0.2916, 0.3558



37.0474, 0.3380, 0.5396



16.4197, 0.2885, 0.3606



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.



35.8815, 0.2628, 0.4355



62.8612, 0.2636, 0.4635



34.1708, 0.2268, 0.3135



10.1440, 0.3041, 0.3389



24.3490, 0.2649, 0.4735



0.8705, 0.2533, 0.4320

Inverse Universe

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



12.9369, 0.4568, 0.2574



19.7840, 0.5059, 0.2616



12.9074, 0.5601, 0.3390



9.0742, 0.3223, 0.3193



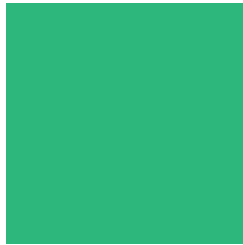
7.4219, 0.5235, 0.2657



0.2741, 0.4585, 0.2299

Previews

White Background



This preview shows how the Yxy color 35.8801, 0.2628, 0.4355 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 35.8801, 0.2628, 0.4355 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

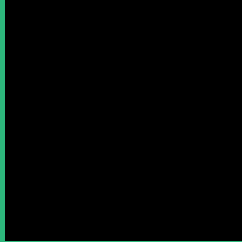
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.8801, 0.2628, 0.4355

Background



This preview shows how black text looks on a background with the Yxy color 35.8801, 0.2628, 0.4355.



This preview shows how white text looks on a background with the Yxy color 35.8801, 0.2628, 0.4355.

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

35.8801, 0.2628, 0.4355

Protanopia

35.2408, 0.3687, 0.3956

Deuteranopia

35.1890, 0.3684, 0.3610



Tritanopia

35.8299, 0.2346, 0.3066

Trichromacy



Original Color

35.8801, 0.2628, 0.4355



Protanomaly

33.7489, 0.3159, 0.4120



Deuteranomaly

33.6197, 0.3164, 0.3890



Tritanomaly

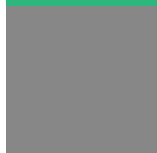
35.6474, 0.2442, 0.3507

Monochromacy



Original Color

35.8801, 0.2628, 0.4355



Achromatopsia

24.2281, 0.3127, 0.3290



Achromatomaly

26.9199, 0.2838, 0.3673

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.8801, 0.2628, 0.4355 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(45, 183, 124)` looks like.

```
.text, #text, p{  
  color:rgb(45, 183, 124)  
}
```

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(45, 183, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 183, 124) }
```

Border

The CSS property to change the border of an element to Yxy 35.8801, 0.2628, 0.4355 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(45, 183, 124) }
```

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

```
.border{ border-color:rgb(45, 183, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 183, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 183, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 183, 124);  
box-shadow:4px 4px 4px 4px rgb(45, 183,  
124) }
```


Background

The CSS property to change the background color of an element to Yxy 35.8801, 0.2628, 0.4355 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 183, 124) }
```

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

```
.background{ background-color: rgb(45, 183,  
124) }
```

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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