

Converting Colors

Yxy(35.8881, 0.2545, 0.4065)

Have a look what the booklet for
Yxy(35.8881, 0.2545, 0.4065)
contains.

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Color

Yxy(35.8717, 0.2547, 0.4072)

Conversions

Conversions Part 1

Format	Color
Hex	2EB68A
RGB	46, 182, 138
RGB Percent	18%, 71%, 54%
CMY	0.8201, 0.2862, 0.4588
CMYK	0.75, 0.00, 0.24, 0.29
HSL	161°, 60%, 45%
HSV	161°, 75%, 71%
XYZ	22.4374, 35.8717, 29.7844
YIQ	136.3200, -66.9320, -42.5160

Conversions

Conversions Part 2

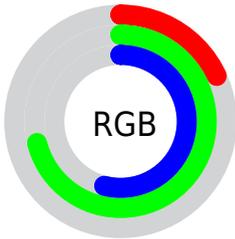
Format	Color
RYB	46, 127, 182
Decimal	3061386
CIELab	66.42, -46.25, 12.28
CIELCh	66, 47.852, 165.134
Yxy	35.8717, 0.2547, 0.4072
Android (android.graphics.Color)	4281251466 (0xFF2EB68A)
YUV	136.3200, 0.8282, -79.2106
Hunter-Lab	59.8930, -37.9421, 12.4405

Details

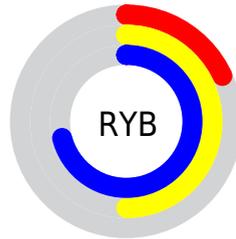
The Yxy color **35.8717, 0.2547, 0.4072** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **12.6267, 0.4842, 0.2766**, and the grayscale version is **24.7495, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.9393, 0.2668, 0.3917**, and **16.1429, 0.2530, 0.4308** is the 20% darker color. If you saturate the color by 10%, you get **35.3716, 0.2535, 0.4195**, and if you desaturate by 10%, it is **36.5628, 0.2579, 0.3950**.

Distribution



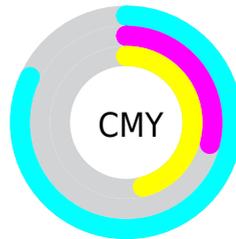
- Red (18%)
- Green (71%)
- Blue (54%)



- Red (18%)
- Yellow (50%)
- Blue (71%)



- Cyan (75%)
- Magenta (0%)
- Yellow (24%)
- Black (29%)



- Cyan (82%)
- Magenta (29%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 35.8717, 0.2547, 0.4072 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 35.8717, 0.2547, 0.4072 by changing the saturation by 10% instead.

 35.8717, 0.2547,
0.4072

 35.8717, 0.2547,
0.4072

328.3994, 0.2857,
0.3645

 24.3351, 0.2463,
0.4192

 68.8340, 0.2665,
0.3908

 15.5824, 0.2350,
0.4354

 91.0285, 0.2707,
0.3849

 9.2291, 0.2192,
0.4585

 117.5444, 0.2743,
0.3800

 4.8909, 0.1958,
0.4941

 148.7662, 0.2773,
0.3759

 2.1834, 0.1531,
0.5581

 185.0782, 0.2799,
0.3724

 0.7109, 0.0000,
1.0000

226.8648, 0.2821,

 0.0000, 0.0000,

0.3694

0.0000

274.5104, 0.2840,
0.3668

■ 35.8717, 0.2547,
0.4072

■ 35.8717, 0.2547,
0.4072

■ 35.3716, 0.2535,
0.4195

■ 36.5628, 0.2579,
0.3950

■ 35.0337, 0.2542,
0.4317

■ 37.4610, 0.2630,
0.3830

■ 34.8945, 0.2550,
0.4380

■ 38.5854, 0.2697,
0.3715

■ 39.9516, 0.2778,
0.3606

■ 41.5740, 0.2870,
0.3505

■ 43.4657, 0.2970,
0.3412

■ 45.6389, 0.3075,
0.3328

■ 48.1051, 0.3184,
0.3251

■ 50.8751, 0.3293,
0.3184

Harmonies

Analogous

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



35.8717, 0.3218, 0.4574



35.8717, 0.2547, 0.4072



35.8717, 0.2067, 0.3303

Triad

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



35.8717, 0.2547, 0.4072



35.8717, 0.2298, 0.2180



35.8717, 0.4574, 0.3665

Complementary

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



35.8717, 0.2547, 0.4072



12.6267, 0.4842, 0.2766

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.



35.8717, 0.4289, 0.3127



35.8717, 0.2547, 0.4072



35.8717, 0.2897, 0.2318

Square

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



35.8717, 0.2547, 0.4072



35.8717, 0.1948, 0.2278



35.8717, 0.3641, 0.2654



35.8717, 0.4410, 0.4190

Rectangle

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



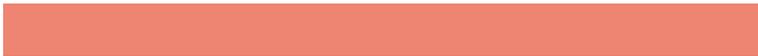
35.8717, 0.2547, 0.4072



35.8717, 0.1901, 0.2839



35.8717, 0.3641, 0.2654



35.8717, 0.4530, 0.3483

Sweetspot

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



35.8731, 0.2547, 0.4072



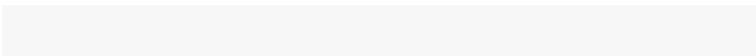
76.1490, 0.2894, 0.3482



35.8936, 0.3276, 0.5454



16.6263, 0.2867, 0.3508



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.



35.8731, 0.2547, 0.4072



63.6786, 0.2538, 0.4277



28.8626, 0.2212, 0.2899



10.1599, 0.3027, 0.3365



24.6515, 0.2546, 0.4366



0.8798, 0.2459, 0.4053

Inverse Universe

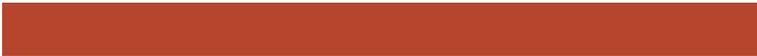
The Inverse Universe completely reimagines the original color for something new.



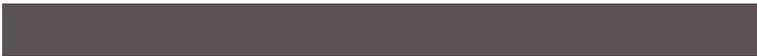
12.6267, 0.4842, 0.2766



19.4573, 0.5416, 0.2828



14.3453, 0.5415, 0.3549



9.0588, 0.3238, 0.3216



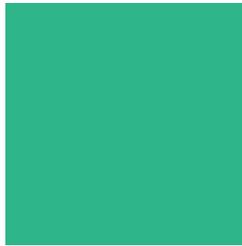
7.2559, 0.5645, 0.2883



0.2675, 0.4900, 0.2473

Previews

White Background



This preview shows how the Yxy color 35.8717, 0.2547, 0.4072 looks on a white background.

Color Contrast Check

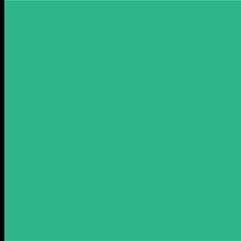
Large Text (above 18pt) WCAG AA × Fail

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 35.8717, 0.2547, 0.4072 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

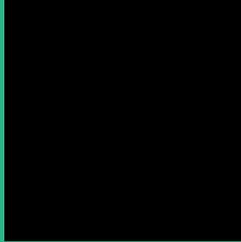
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

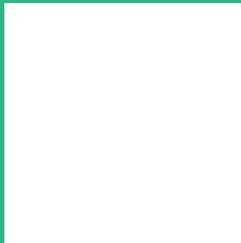
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 35.8717, 0.2547, 0.4072

Background



This preview shows how black text looks on a background with the Yxy color 35.8717, 0.2547, 0.4072.



This preview shows how white text looks on a background with the Yxy color 35.8717, 0.2547, 0.4072.

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

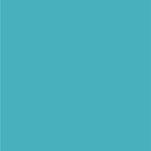
35.8717, 0.2547, 0.4072

Protanopia

35.2200, 0.3533, 0.3773

Deuteranopia

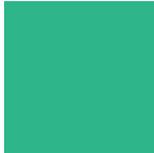
35.0699, 0.3510, 0.3431



Tritanopia

35.7118, 0.2334, 0.3065

Trichromacy



Original Color

35.8717, 0.2547, 0.4072



Protanomaly

34.0039, 0.3046, 0.3900



Deuteranomaly

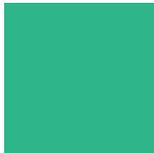
33.4094, 0.3019, 0.3645



Tritanomaly

35.7672, 0.2407, 0.3421

Monochromacy



Original Color

35.8717, 0.2547, 0.4072



Achromatopsia

24.6201, 0.3127, 0.3290



Achromatomaly

27.4722, 0.2799, 0.3577

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.8717, 0.2547, 0.4072 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, 182, 138)` looks like.

```
.text, #text, p{  
    color:rgb(46, 182, 138)  
}
```

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, 182, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 182, 138) }
```

Border

The CSS property to change the border of an element to Yxy 35.8717, 0.2547, 0.4072 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, 182, 138) }
```

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

```
.border{ border-color:rgb(46, 182, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 182, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 182, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 182, 138);  
box-shadow:4px 4px 4px 4px rgb(46, 182,  
138) }
```

Background

The CSS property to change the background color of an element to Yxy 35.8717, 0.2547, 0.4072 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 182, 138) }
```

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

```
.background{ background-color: rgb(46, 182,  
138) }
```

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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