

Converting Colors

$Y_{xy}(35.7660, 0.2793, 0.4717)$

Have a look what the booklet for
Yxy(35.7660, 0.2793, 0.4717)
contains.

Yxy(35.7660, 0.2793, 0.4717)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(35.7660, 0.2793, 0.4717)

Conversions

Conversions Part 1

Format	Color
Hex	3AB768
RGB	58, 183, 104
RGB Percent	23%, 72%, 41%
CMY	0.7724, 0.2823, 0.5922
CMYK	0.68, 0.00, 0.43, 0.28
HSL	142°, 52%, 47%
HSV	142°, 68%, 72%
XYZ	21.1775, 35.7660, 18.8801
YIQ	136.6190, -49.1410, -51.0690

Conversions

Conversions Part 2

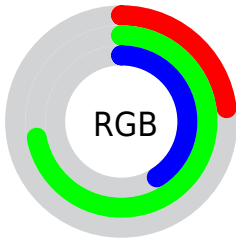
Format	Color
RYB	58, 149, 183
Decimal	3848040
CIELab	66.34, -51.80, 30.44
CIELCh	66, 60.079, 149.558
Yxy	35.7660, 0.2793, 0.4717
Android (android.graphics.Color)	4282038120 (0xFF3AB768)
YUV	136.6190, -16.0812, -68.9489
Hunter-Lab	59.8047, -41.4493, 23.1457

Details

The Yxy color **35.7660, 0.2793, 0.4717** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **14.9036, 0.3892, 0.2269**, and the grayscale version is **24.9434, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.7135, 0.2879, 0.4406**, and **15.9763, 0.2776, 0.5193** is the 20% darker color. If you saturate the color by 10%, you get **35.0936, 0.2789, 0.4957**, and if you desaturate by 10%, it is **36.6685, 0.2814, 0.4473**.

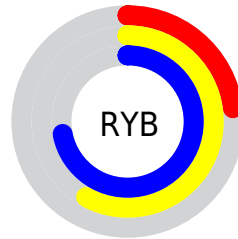
Distribution



Red (23%)

Green (72%)

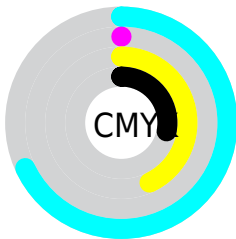
Blue (41%)



Red (23%)

Yellow (58%)

Blue (72%)

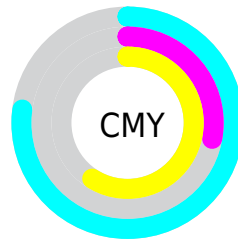


Cyan (68%)

Magenta (0%)

Yellow (43%)

Black (28%)



Cyan (77%)


Magenta (28%)


Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.7660, 0.2793, 0.4717 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 35.7660, 0.2793, 0.4717 by changing the saturation by 10% instead.


 35.7660, 0.2793,
0.4717


 35.7660, 0.2793,
0.4717


327.9366, 0.2998,
0.3918


 24.2535, 0.2726,
0.4947


 68.6707, 0.2878,
0.4405

 15.5218, 0.2630,
0.5260


 90.8318, 0.2907,
0.4294


 9.1864, 0.2481,
0.5709


 117.3112, 0.2930,
0.4203

 4.8630, 0.2231,
0.6390

 148.4933, 0.2948,
0.4127

 2.1671, 0.1735,
0.8265

 184.7625, 0.2964,
0.4063

 0.7020, 0.0000,
1.0000

226.5031, 0.2977,

 0.0000, 0.0000,

0.4008

0.0000

274.0997, 0.2988,
0.3960

■ 35.7660, 0.2793,
0.4717

■ 35.7660, 0.2793,
0.4717

■ 35.0936, 0.2789,
0.4957

■ 36.6685, 0.2814,
0.4473

■ 34.6238, 0.2804,
0.5183

■ 37.8165, 0.2849,
0.4232

■ 34.3212, 0.2833,
0.5386

■ 39.2290, 0.2896,
0.4003

■ 34.2768, 0.2838,
0.5418

■ 40.9220, 0.2951,
0.3790

■ 42.9101, 0.3011,
0.3596

■ 45.2068, 0.3074,
0.3421

■ 47.8249, 0.3138,
0.3265

■ 50.7764, 0.3201,
0.3127

■ 54.0727, 0.3263,
0.3007

Harmonies

Analogous

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



35.7660, 0.3647, 0.4984



35.7660, 0.2793, 0.4717



35.7660, 0.2077, 0.3812

Triad

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



35.7660, 0.2793, 0.4717



35.7660, 0.1862, 0.1966



35.7660, 0.4825, 0.3362

Complementary

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



35.7660, 0.2793, 0.4717



14.9036, 0.3892, 0.2269

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.



35.7660, 0.4199, 0.2763



35.7660, 0.2793, 0.4717



35.7660, 0.2419, 0.2001

Square

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



35.7660, 0.2793, 0.4717



35.7660, 0.1616, 0.2225



35.7660, 0.3265, 0.2283



35.7660, 0.4875, 0.4007

Rectangle

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



35.7660, 0.2793, 0.4717



35.7660, 0.1772, 0.3140



35.7660, 0.3265, 0.2283



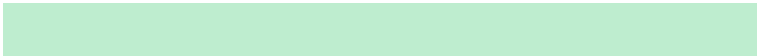
35.7660, 0.4674, 0.3154

Sweetspot

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



35.7675, 0.2793, 0.4717



76.0794, 0.2998, 0.3634



39.5071, 0.3609, 0.5084



16.5781, 0.2981, 0.3687



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.



35.7675, 0.2793, 0.4717



62.3816, 0.2795, 0.5074



37.5339, 0.2431, 0.3566



10.1133, 0.3067, 0.3438



23.9236, 0.2832, 0.5396



0.8555, 0.2680, 0.4847

Inverse Universe

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



14.9036, 0.3892, 0.2269



22.4752, 0.4138, 0.2179



13.6001, 0.5074, 0.3094



9.1052, 0.3192, 0.3146



7.9115, 0.4390, 0.2192



0.2904, 0.4012, 0.1984

Previews

White Background



This preview shows how the Yxy color 35.7660, 0.2793, 0.4717 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 35.7660, 0.2793, 0.4717 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 35.7660, 0.2793, 0.4717

Background



This preview shows how black text looks on a background with the Yxy color 35.7660, 0.2793, 0.4717.



This preview shows how white text looks on a background with the Yxy color 35.7660, 0.2793, 0.4717.

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

35.7660, 0.2793, 0.4717

Protanopia

35.0818, 0.3880, 0.4212

Deuteranopia

35.0065, 0.3943, 0.3861



Tritanopia

35.4534, 0.2401, 0.3067

Trichromacy



Original Color

35.7660, 0.2793, 0.4717



Protanomaly

33.7926, 0.3374, 0.4433



Deuteranomaly

33.4733, 0.3414, 0.4185



Tritanomaly

35.4151, 0.2539, 0.3627

Monochromacy



Original Color

35.7660, 0.2793, 0.4717



Achromatopsia

25.0158, 0.3127, 0.3290



Achromatomaly

27.7800, 0.2943, 0.3813

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.7660, 0.2793, 0.4717 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(58, 183, 104)` looks like.

```
.text, #text, p{  
    color:rgb(58, 183, 104)  
}
```

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(58, 183, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 183, 104) }
```

Border

The CSS property to change the border of an element to Yxy 35.7660, 0.2793, 0.4717 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(58, 183, 104) }
```

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

```
.border{ border-color:rgb(58, 183, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 183, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 183, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 183, 104);  
box-shadow:4px 4px 4px 4px rgb(58, 183,  
104) }
```


Background

The CSS property to change the background color of an element to Yxy 35.7660, 0.2793, 0.4717 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 183, 104) }
```

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

```
.background{ background-color: rgb(58, 183,  
104) }
```

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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