

Converting Colors

$Y_{xy}(34.8670, 0.2790, 0.4734)$

Have a look what the booklet for
Yxy(34.8670, 0.2790, 0.4734)
contains.

Yxy(34.8478, 0.2792, 0.4734)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(34.8478, 0.2792, 0.4734)

Conversions

Conversions Part 1

Format	Color
Hex	38B566
RGB	56, 181, 102
RGB Percent	22%, 71%, 40%
CMY	0.7804, 0.2902, 0.6000
CMYK	0.69, 0.00, 0.44, 0.29
HSL	142°, 53%, 46%
HSV	142°, 69%, 71%
XYZ	20.5524, 34.8478, 18.2115
YIQ	134.6190, -49.1410, -51.0690

Conversions

Conversions Part 2

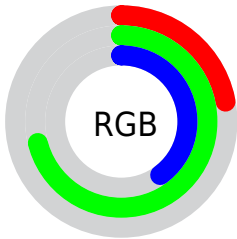
Format	Color
RYB	56, 147, 181
Decimal	3716454
CIELab	65.63, -51.75, 30.55
CIELCh	66, 60.089, 149.445
Yxy	34.8478, 0.2792, 0.4734
Android (android.graphics.Color)	4281906534 (0xFF38B566)
YUV	134.6190, -16.0812, -68.9489
Hunter-Lab	59.0320, -41.1601, 23.0313

Details

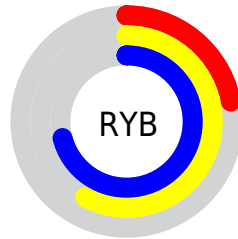
The Yxy color **34.8478, 0.2792, 0.4734** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **14.4014, 0.3904, 0.2263**, and the grayscale version is **24.1541, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.3337, 0.2878, 0.4416**, and **15.4358, 0.2783, 0.5218** is the 20% darker color. If you saturate the color by 10%, you get **34.2072, 0.2790, 0.4973**, and if you desaturate by 10%, it is **35.7111, 0.2811, 0.4490**.

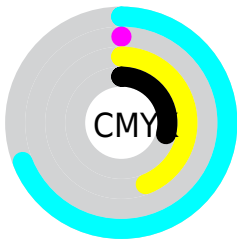
Distribution



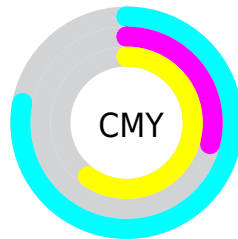
- Red (22%)
- Green (71%)
- Blue (40%)



- Red (22%)
- Yellow (58%)
- Blue (71%)



- Cyan (69%)
- Magenta (0%)
- Yellow (44%)
- Black (29%)





- Cyan (78%)
- Magenta (29%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.8478, 0.2792, 0.4734 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 34.8478, 0.2792, 0.4734 by changing the saturation by 10% instead.


 34.8478, 0.2792,
0.4734


 34.8478, 0.2792,
0.4734


323.8960, 0.2999,
0.3922

 23.5457, 0.2724,
0.4969


 67.2499, 0.2878,
0.4415


 14.9969, 0.2625,
0.5291


 89.1187, 0.2907,
0.4303


 8.8172, 0.2472,
0.5753


 115.2784, 0.2930,
0.4211

 4.6222, 0.2211,
0.6456

 146.1136, 0.2949,
0.4134

 2.0273, 0.1584,
0.8416

 182.0085, 0.2965,
0.4069

 0.6233, 0.0000,
1.0000

223.3477, 0.2978,

 0.0000, 0.0000,

0.4013

0.0000

270.5154, 0.2989,
0.3964

■ 34.8478, 0.2792,
0.4734

■ 34.8478, 0.2792,
0.4734

■ 34.2072, 0.2790,
0.4973

■ 35.7111, 0.2811,
0.4490

■ 33.7622, 0.2805,
0.5197

■ 36.8123, 0.2846,
0.4249

■ 33.4738, 0.2835,
0.5399

■ 38.1699, 0.2892,
0.4020

■ 33.4500, 0.2838,
0.5416

■ 39.7997, 0.2946,
0.3805

■ 41.7159, 0.3006,
0.3610

■ 43.9319, 0.3069,
0.3433

■ 46.4600, 0.3133,
0.3276

■ 49.3121, 0.3196,
0.3137

■ 52.4992, 0.3258,
0.3016

Harmonies

Analogous

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



34.8478, 0.3652, 0.4999



34.8478, 0.2792, 0.4734



34.8478, 0.2071, 0.3821

Triad

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



34.8478, 0.2792, 0.4734



34.8478, 0.1851, 0.1957



34.8478, 0.4838, 0.3358

Complementary

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



34.8478, 0.2792, 0.4734



14.4014, 0.3904, 0.2263

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.



34.8478, 0.4205, 0.2757



34.8478, 0.2792, 0.4734



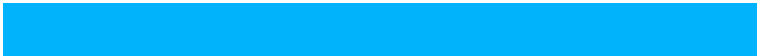
34.8478, 0.2411, 0.1992

Square

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



34.8478, 0.2792, 0.4734



34.8478, 0.1605, 0.2218



34.8478, 0.3262, 0.2274



34.8478, 0.4889, 0.4007

Rectangle

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



34.8478, 0.2792, 0.4734



34.8478, 0.1763, 0.3141



34.8478, 0.3262, 0.2274



34.8478, 0.4685, 0.3150

Sweetspot

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



34.8492, 0.2792, 0.4734



73.8776, 0.2992, 0.3653



38.4997, 0.3611, 0.5100



15.7625, 0.2976, 0.3705



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.



34.8492, 0.2792, 0.4734



60.7961, 0.2796, 0.5095



36.5825, 0.2428, 0.3569



9.5401, 0.3068, 0.3437



23.0709, 0.2831, 0.5393



0.7374, 0.2666, 0.4796

Inverse Universe

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



14.4014, 0.3904, 0.2263



21.7463, 0.4154, 0.2177



13.1286, 0.5106, 0.3094



8.5926, 0.3192, 0.3147



7.6298, 0.4389, 0.2192



0.2508, 0.3982, 0.1967

Previews

White Background



This preview shows how the Yxy color 34.8478, 0.2792, 0.4734 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 34.8478, 0.2792, 0.4734 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 34.8478, 0.2792, 0.4734

Background



This preview shows how black text looks on a background with the Yxy color 34.8478, 0.2792, 0.4734.



This preview shows how white text looks on a background with the Yxy color 34.8478, 0.2792, 0.4734.

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

34.8478, 0.2792, 0.4734

Protanopia

34.1283, 0.3888, 0.4221

Deuteranopia

34.0562, 0.3953, 0.3867



Tritanopia

34.5599, 0.2400, 0.3065

Trichromacy



Original Color

34.8478, 0.2792, 0.4734



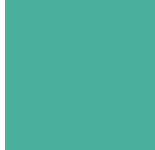
Protanomaly

32.8628, 0.3376, 0.4446



Deuteranomaly

32.5440, 0.3417, 0.4195



Tritanomaly

34.4823, 0.2535, 0.3632

Monochromacy



Original Color

34.8478, 0.2792, 0.4734



Achromatopsia

24.2281, 0.3127, 0.3290



Achromatomaly

26.9507, 0.2941, 0.3820

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.8478, 0.2792, 0.4734 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(56, 181, 102)` looks like.

```
.text, #text, p{  
    color:rgb(56, 181, 102)  
}
```

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(56, 181, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 181, 102) }
```

Border

The CSS property to change the border of an element to Yxy 34.8478, 0.2792, 0.4734 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(56, 181, 102) }
```

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

```
.border{ border-color:rgb(56, 181, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 181, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 181, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 181, 102);  
box-shadow:4px 4px 4px 4px rgb(56, 181,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 34.8478, 0.2792, 0.4734 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 181, 102) }
```

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

```
.background{ background-color: rgb(56, 181,  
102) }
```

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