

Converting Colors

$Yxy(35.2836, 0.2997, 0.5423)$

Have a look what the booklet for
Yxy(35.2836, 0.2997, 0.5423)
contains.

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Color

Yxy(35.4410, 0.2995, 0.5420)

Conversions

Conversions Part 1

Format	Color
Hex	37B83E
RGB	55, 184, 62
RGB Percent	22%, 72%, 24%
CMY	0.7844, 0.2784, 0.7569
CMYK	0.70, 0.00, 0.66, 0.28
HSL	123°, 54%, 47%
HSV	123°, 70%, 72%
XYZ	19.5841, 35.4410, 10.3642
YIQ	131.5210, -37.7220, -65.2900

Conversions

Conversions Part 2

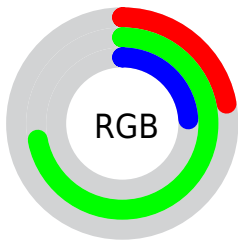
Format	Color
RYB	55, 177, 184
Decimal	3651646
CIELab	66.09, -58.52, 50.22
CIELCh	66, 77.113, 139.366
Yxy	35.4410, 0.2995, 0.5420
Android (android.graphics.Color)	4281841726 (0xFF37B83E)
YUV	131.5210, -34.2739, -67.1089
Hunter-Lab	59.5323, -45.4612, 31.3506

Details

The Yxy color **35.4410, 0.2995, 0.5420** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **16.0946, 0.3291, 0.1822**, and the grayscale version is **23.0262, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.0703, 0.3069, 0.4955**, and **15.7005, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **34.8551, 0.2989, 0.5676**, and if you desaturate by 10%, it is **36.2846, 0.3007, 0.5112**.

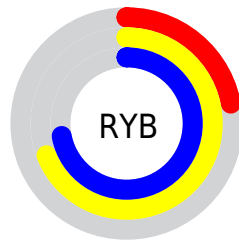
Distribution



Red (22%)

Green (72%)

Blue (24%)



Red (22%)

Yellow (69%)

Blue (72%)

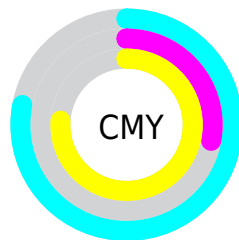


Cyan (70%)

Magenta (0%)

Yellow (66%)

Black (28%)



Cyan (78%)


Magenta (28%)

Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 35.4410, 0.2995, 0.5420 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 35.4410, 0.2995, 0.5420 by changing the saturation by 10% instead.


 35.4410, 0.2995,
0.5420


 35.4410, 0.2995,
0.5420


326.5106, 0.3138,
0.4225


 24.0028, 0.2923,
0.5751


 68.1684, 0.3071,
0.4958

 15.3357, 0.2805,
0.6187


 90.2263, 0.3092,
0.4792


 9.0553, 0.2601,
0.6771


 116.5930, 0.3107,
0.4655

 4.7773, 0.2281,
0.7719

 147.6528, 0.3117,
0.4541

 2.1172, 0.1111,
0.8889

 183.7900, 0.3125,
0.4444

 0.6743, 0.0000,
1.0000

225.3891, 0.3131,

 0.0000, 0.0000,

0.4360

0.0000

272.8345, 0.3135,
0.4288

■ 35.4410, 0.2995,
0.5420

■ 35.4410, 0.2995,
0.5420

■ 34.8551, 0.2989,
0.5676

■ 36.2846, 0.3007,
0.5112

■ 34.4936, 0.2989,
0.5860

■ 37.4061, 0.3024,
0.4776

■ 34.3053, 0.2990,
0.5966

■ 38.8287, 0.3043,
0.4436

■ 40.5719, 0.3065,
0.4108

■ 42.6536, 0.3086,
0.3805

■ 45.0905, 0.3107,
0.3533

■ 47.8979, 0.3127,
0.3293

■ 51.0904, 0.3145,
0.3083

■ 54.6820, 0.3162,
0.2903

Harmonies

Analogous

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



35.4410, 0.4029, 0.5308



35.4410, 0.2995, 0.5420



35.4410, 0.2047, 0.4437

Triad

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



35.4410, 0.2995, 0.5420



35.4410, 0.1453, 0.1729



35.4410, 0.5102, 0.3063

Complementary

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



35.4410, 0.2995, 0.5420



16.0946, 0.3291, 0.1822

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.



35.4410, 0.4097, 0.2408



35.4410, 0.2995, 0.5420



35.4410, 0.1969, 0.1681

Square

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



35.4410, 0.2995, 0.5420



35.4410, 0.1284, 0.2139



35.4410, 0.2886, 0.1919



35.4410, 0.5371, 0.3795

Rectangle

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



35.4410, 0.2995, 0.5420



35.4410, 0.1605, 0.3491



35.4410, 0.2886, 0.1919



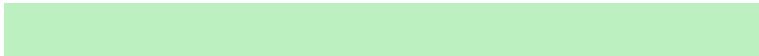
35.4410, 0.4831, 0.2834

Sweetspot

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



35.4425, 0.2995, 0.5420



76.8192, 0.3084, 0.3841



43.9712, 0.3998, 0.4872



16.3292, 0.3078, 0.3922



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.



35.4425, 0.2995, 0.5420



62.7868, 0.2988, 0.5783



36.5996, 0.2655, 0.4322



10.0678, 0.3109, 0.3513



23.6447, 0.2988, 0.5958



0.8362, 0.2942, 0.5792

Inverse Universe

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



16.0946, 0.3291, 0.1822



25.5247, 0.3324, 0.1675



14.1139, 0.4360, 0.2551



9.1541, 0.3146, 0.3077



9.1325, 0.3348, 0.1618



0.3245, 0.3309, 0.1597

Previews

White Background



This preview shows how the Yxy color 35.4410, 0.2995, 0.5420 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 35.4410, 0.2995, 0.5420 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 35.4410, 0.2995, 0.5420

Background



This preview shows how black text looks on a background with the Yxy color 35.4410, 0.2995, 0.5420.



This preview shows how white text looks on a background with the Yxy color 35.4410, 0.2995, 0.5420.

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

35.4410, 0.2995, 0.5420

Protanopia

34.8824, 0.4206, 0.4640

Deuteranopia

34.7947, 0.4363, 0.4285



Tritanopia

35.2239, 0.2423, 0.3067

Trichromacy



Original Color

35.4410, 0.2995, 0.5420



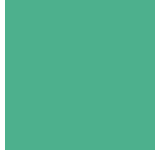
Protanomaly

33.6680, 0.3648, 0.4988



Deuteranomaly

32.9880, 0.3743, 0.4750



Tritanomaly

34.5515, 0.2641, 0.3901

Monochromacy



Original Color

35.4410, 0.2995, 0.5420



Achromatopsia

23.0740, 0.3127, 0.3290



Achromatomaly

26.1378, 0.3060, 0.4116

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.4410, 0.2995, 0.5420 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(55, 184, 62)` looks like.

```
.text, #text, p{  
    color:rgb(55, 184, 62)  
}
```

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(55, 184, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 184, 62) }
```

Border

The CSS property to change the border of an element to Yxy 35.4410, 0.2995, 0.5420 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(55, 184, 62) }
```

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

```
.border{ border-color:rgb(55, 184, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 184, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 184, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 184, 62);  
box-shadow:4px 4px 4px 4px rgb(55, 184,  
62) }
```


Background

The CSS property to change the background color of an element to Yxy 35.4410, 0.2995, 0.5420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 184, 62) }
```

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

```
.background{ background-color: rgb(55, 184,  
62) }
```

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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