

Converting Colors

$Y_{xy}(40.7226, 0.2992, 0.5361)$

Have a look what the booklet for
Yxy(40.7226, 0.2992, 0.5361)
contains.

Yxy(40.4965, 0.2993, 0.5362)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(40.4965, 0.2993, 0.5362)

Conversions

Conversions Part 1

Format	Color
Hex	3EC346
RGB	62, 195, 70
RGB Percent	24%, 76%, 27%
CMY	0.7571, 0.2353, 0.7254
CMYK	0.68, 0.00, 0.64, 0.24
HSL	124°, 53%, 50%
HSV	124°, 68%, 76%
XYZ	22.6046, 40.4965, 12.4239
YIQ	140.9830, -39.1430, -67.0710

Conversions

Conversions Part 2

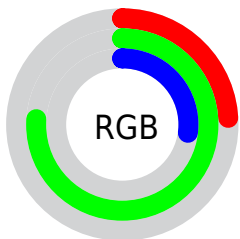
Format	Color
RYB	62, 187, 195
Decimal	4113222
CIELab	69.82, -60.14, 50.96
CIELCh	70, 78.829, 139.721
Yxy	40.4965, 0.2993, 0.5362
Android (android.graphics.Color)	4282303302 (0xFF3EC346)
YUV	140.9830, -34.9946, -69.2681
Hunter-Lab	63.6369, -47.9590, 32.9706

Details

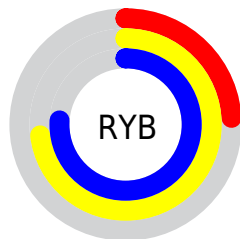
The Yxy color **40.4965, 0.2993, 0.5362** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted green. A complement of this color would be **18.6250, 0.3298, 0.1851**, and the grayscale version is **26.7749, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.1162, 0.3065, 0.4931**, and **18.7759, 0.2984, 0.5944** is the 20% darker color. If you saturate the color by 10%, you get **39.7804, 0.2986, 0.5629**, and if you desaturate by 10%, it is **41.5125, 0.3006, 0.5047**.

Distribution



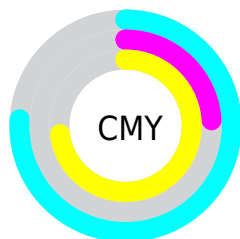
- Red (24%)
- Green (76%)
- Blue (27%)



- Red (24%)
- Yellow (73%)
- Blue (76%)



- Cyan (68%)
- Magenta (0%)
- Yellow (64%)
- Black (24%)



- Cyan (76%)
- Magenta (24%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.4965, 0.2993, 0.5362 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 40.4965, 0.2993, 0.5362 by changing the saturation by 10% instead.


 40.4965, 0.2993,
0.5362


 40.4965, 0.2993,
0.5362


348.2118, 0.3131,
0.4222

 27.9259, 0.2928,
0.5670


 75.9190, 0.3064,
0.4927


 18.2698, 0.2824,
0.6071


 99.5396, 0.3085,
0.4770


 11.1439, 0.2648,
0.6603


 127.6124, 0.3099,
0.4639

 6.1637, 0.2414,
0.7548

 160.5216, 0.3110,
0.4529

 2.9449, 0.1734,
0.8266

 198.6518, 0.3117,
0.4435

 1.1030, 0.0000,
1.0000

242.3873, 0.3123,

 0.0000, 0.0000,

0.4354

0.0000

292.1125, 0.3128,
0.4284

■ 40.4965, 0.2993,
0.5362

■ 40.4965, 0.2993,
0.5362

■ 39.7804, 0.2986,
0.5629

■ 41.5125, 0.3006,
0.5047

■ 39.3271, 0.2986,
0.5829

■ 42.8509, 0.3023,
0.4709

■ 39.0906, 0.2990,
0.5950

■ 44.5378, 0.3044,
0.4370

■ 39.0599, 0.2990,
0.5964

■ 46.5953, 0.3066,
0.4047

■ 49.0437, 0.3089,
0.3751

■ 51.9016, 0.3110,
0.3485

■ 55.1867, 0.3131,
0.3251

■ 58.9155, 0.3150,
0.3048

■ 63.1037, 0.3167,
0.2873

Harmonies

Analogous

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



40.4965, 0.4010, 0.5278



40.4965, 0.2993, 0.5362



40.4965, 0.2061, 0.4393

Triad

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



40.4965, 0.2993, 0.5362



40.4965, 0.1484, 0.1754



40.4965, 0.5068, 0.3081

Complementary

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



40.4965, 0.2993, 0.5362



18.6250, 0.3298, 0.1851

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.



40.4965, 0.4091, 0.2432



40.4965, 0.2993, 0.5362



40.4965, 0.1999, 0.1708

Square

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



40.4965, 0.2993, 0.5362



40.4965, 0.1314, 0.2156



40.4965, 0.2906, 0.1946



40.4965, 0.5328, 0.3806

Rectangle

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



40.4965, 0.2993, 0.5362



40.4965, 0.1628, 0.3474



40.4965, 0.2906, 0.1946



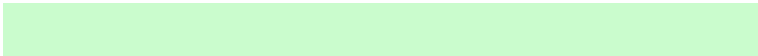
40.4965, 0.4805, 0.2853

Sweetspot

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



40.4982, 0.2993, 0.5362



86.8641, 0.3084, 0.3809



50.1171, 0.3986, 0.4848



18.7404, 0.3078, 0.3893



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



40.4982, 0.2993, 0.5362



70.7776, 0.2985, 0.5739



41.8084, 0.2658, 0.4294



11.2685, 0.3108, 0.3513



25.3890, 0.2987, 0.5955



1.1005, 0.2942, 0.5791

Inverse Universe

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



18.6250, 0.3298, 0.1851



28.9727, 0.3334, 0.1696



16.4415, 0.4317, 0.2560



10.2366, 0.3147, 0.3077



9.7710, 0.3366, 0.1628



0.4254, 0.3328, 0.1607

Previews

White Background



This preview shows how the Yxy color 40.4965, 0.2993, 0.5362 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 40.4965, 0.2993, 0.5362 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 40.4965, 0.2993, 0.5362

Background



This preview shows how black text looks on a background with the Yxy color 40.4965, 0.2993, 0.5362.



This preview shows how white text looks on a background with the Yxy color 40.4965, 0.2993, 0.5362.

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

40.4965, 0.2993, 0.5362

Protanopia

39.5536, 0.4191, 0.4596

Deuteranopia

39.6391, 0.4336, 0.4241



Tritanopia

40.4396, 0.2432, 0.3079

Trichromacy



Original Color

40.4965, 0.2993, 0.5362



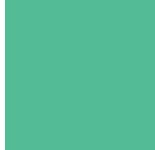
Protanomaly

38.0738, 0.3651, 0.4924



Deuteranomaly

37.4909, 0.3742, 0.4677



Tritanomaly

39.6598, 0.2644, 0.3881

Monochromacy



Original Color

40.4965, 0.2993, 0.5362



Achromatopsia

26.6356, 0.3127, 0.3290



Achromatomaly

30.1723, 0.3062, 0.4102

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.4965, 0.2993, 0.5362 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(62, 195, 70)` looks like.

```
.text, #text, p{  
    color:rgb(62, 195, 70)  
}
```

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(62, 195, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 195, 70) }
```

Border

The CSS property to change the border of an element to Yxy 40.4965, 0.2993, 0.5362 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(62, 195, 70) }
```

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

```
.border{ border-color:rgb(62, 195, 70) }
```

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

Here you see how a box with a 4 pixel rgb(62, 195, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 195, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 195, 70);  
box-shadow:4px 4px 4px 4px rgb(62, 195,  
70) }
```


Background

The CSS property to change the background color of an element to Yxy 40.4965, 0.2993, 0.5362 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 195, 70) }
```

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

```
.background{ background-color: rgb(62, 195,  
70) }
```

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