

Converting Colors

$Y_{xy}(17.5711, 0.3114, 0.5040)$

Have a look what the booklet for
Yxy(17.5711, 0.3114, 0.5040)
contains.

Yxy(17.5652, 0.3115, 0.5040)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(17.5652, 0.3115, 0.5040)

Conversions

Conversions Part 1

Format	Color
Hex	3F8337
RGB	63, 131, 55
RGB Percent	25%, 51%, 22%
CMY	0.7529, 0.4863, 0.7844
CMYK	0.52, 0.00, 0.58, 0.49
HSL	114°, 41%, 36%
HSV	114°, 58%, 51%
XYZ	10.8563, 17.5652, 6.4301
YIQ	102.0040, -16.1320, -38.0520

Conversions

Conversions Part 2

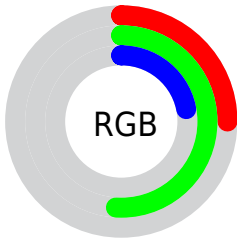
Format	Color
RYB	55, 131, 123
Decimal	4162359
CIELab	48.96, -37.42, 34.12
CIELCh	49, 50.645, 137.640
Yxy	17.5652, 0.3115, 0.5040
Android (android.graphics.Color)	4282352439 (0xFF3F8337)
YUV	102.0040, -23.1730, -34.2065
Hunter-Lab	41.9109, -27.1067, 20.2411

Details

The Yxy color **17.5652, 0.3115, 0.5040** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **8.5777, 0.3054, 0.1923**, and the grayscale version is **13.3541, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.4104, 0.3155, 0.4597**, and **5.8958, 0.2973, 0.5901** is the 20% darker color. If you saturate the color by 10%, you get **17.1109, 0.3099, 0.5350**, and if you desaturate by 10%, it is **18.1364, 0.3126, 0.4707**.

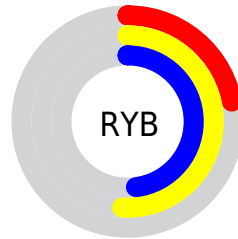
Distribution



Red (25%)

Green (51%)

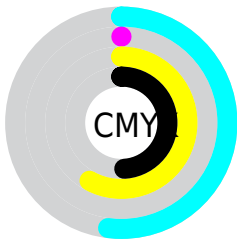
Blue (22%)



Red (22%)

Yellow (51%)

Blue (48%)

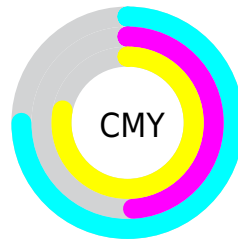


Cyan (52%)

Magenta (0%)

Yellow (58%)

Black (49%)



Cyan (75%)


Magenta (49%)


Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.5652, 0.3115, 0.5040 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 17.5652, 0.3115, 0.5040 by changing the saturation by 10% instead.


 17.5652, 0.3115,
0.5040


 17.5652, 0.3115,
0.5040


238.4087, 0.3170,
0.3965


 10.6383, 0.3063,
0.5397


 39.2950, 0.3156,
0.4589

 5.8242, 0.2954,
0.5916

 54.8667, 0.3164,
0.4439

 2.7385, 0.2876,
0.7124

 74.0888, 0.3168,
0.4319

 0.9968, 0.0289,
0.9711

 97.3457, 0.3170,
0.4222

 0.0000, 0.0000,
0.0000

 125.0217, 0.3171,
0.4141

 157.5013, 0.3171,

0.4073

195.1688, 0.3171,
0.4015

■ 17.5652, 0.3115,
0.5040

■ 17.5652, 0.3115,
0.5040

■ 17.1109, 0.3099,
0.5350

■ 18.1364, 0.3126,
0.4707

■ 16.7634, 0.3080,
0.5614

■ 18.8295, 0.3132,
0.4373

■ 16.5145, 0.3057,
0.5814

■ 19.6519, 0.3135,
0.4052

■ 16.3501, 0.3037,
0.5948

■ 20.6098, 0.3134,
0.3754

■ 16.3251, 0.3035,
0.5972

■ 21.7087, 0.3131,
0.3485

■ 22.9543, 0.3126,
0.3245

■ 24.3515, 0.3120,
0.3035

■ 25.9053, 0.3114,
0.2851

■ 27.6204, 0.3107,
0.2691

Harmonies

Analogous

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



17.5652, 0.4006, 0.4992



17.5652, 0.3115, 0.5040



17.5652, 0.2274, 0.4287

Triad

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



17.5652, 0.3115, 0.5040



17.5652, 0.1653, 0.1958



17.5652, 0.4740, 0.3095

Complementary

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



17.5652, 0.3115, 0.5040



8.5777, 0.3054, 0.1923

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.



17.5652, 0.3886, 0.2509



17.5652, 0.3115, 0.5040



17.5652, 0.2103, 0.1885

Square

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



17.5652, 0.3115, 0.5040



17.5652, 0.1522, 0.2365



17.5652, 0.2883, 0.2082



17.5652, 0.5039, 0.3754

Rectangle

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



17.5652, 0.3115, 0.5040



17.5652, 0.1862, 0.3543



17.5652, 0.2883, 0.2082



17.5652, 0.4501, 0.2888

Sweetspot

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



17.5659, 0.3115, 0.5040



37.0248, 0.3134, 0.3736



19.0526, 0.4009, 0.4486



8.5490, 0.3134, 0.3783



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



17.5659, 0.3115, 0.5040



30.3970, 0.3093, 0.5451



17.6866, 0.2809, 0.4398



5.2266, 0.3131, 0.3513



16.0699, 0.3035, 0.5972



0.0571, 0.3184, 0.5854

Inverse Universe

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



8.5777, 0.3054, 0.1923



12.6146, 0.3024, 0.1682



8.5126, 0.3735, 0.2424



4.7385, 0.3122, 0.3075



5.3467, 0.2952, 0.1400



0.0203, 0.3087, 0.1474

Previews

White Background



This preview shows how the Yxy color 17.5652, 0.3115, 0.5040 looks on a white 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 × Fail

Black Background



This preview shows how the Yxy color 17.5652, 0.3115, 0.5040 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 × Fail

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

Yxy 17.5652, 0.3115, 0.5040

Background



This preview shows how black text looks on a background with the Yxy color 17.5652, 0.3115, 0.5040.



This preview shows how white text looks on a background with the Yxy color 17.5652, 0.3115, 0.5040.

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

17.5652, 0.3115, 0.5040

Protanopia

17.3882, 0.4091, 0.4482

Deuteranopia

17.2396, 0.4221, 0.4141



Tritanopia

17.5216, 0.2557, 0.3081

Trichromacy



Original Color

17.5652, 0.3115, 0.5040

Protanomaly

16.9259, 0.3687, 0.4698

Deuteranomaly

16.7833, 0.3754, 0.4476

Tritanomaly

17.3581, 0.2764, 0.3760

Monochromacy



Original Color

17.5652, 0.3115, 0.5040

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

14.5408, 0.3135, 0.3940

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.5652, 0.3115, 0.5040 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(63, 131, 55)` looks like.

```
.text, #text, p{  
    color:rgb(63, 131, 55)  
}
```

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(63, 131, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 131, 55) }
```

Border

The CSS property to change the border of an element to Yxy 17.5652, 0.3115, 0.5040 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(63, 131, 55) }
```

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

```
.border{ border-color:rgb(63, 131, 55) }
```

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

Here you see how a box with a 4 pixel rgb(63, 131, 55) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 131, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 131, 55);  
box-shadow:4px 4px 4px 4px rgb(63, 131,  
55) }
```


Background

The CSS property to change the background color of an element to Yxy 17.5652, 0.3115, 0.5040 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 131, 55) }
```

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

```
.background{ background-color: rgb(63, 131,  
55) }
```

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