

Converting Colors

$Y_{xy}(17.0851, 0.3304, 0.5551)$

Have a look what the booklet for
Yxy(17.0851, 0.3304, 0.5551)
contains.

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Color

$Y_{xy}(17.0800, 0.3307, 0.5550)$

Conversions

Conversions Part 1

Format	Color
Hex	3F8216
RGB	63, 130, 22
RGB Percent	25%, 51%, 9%
CMY	0.7529, 0.4902, 0.9139
CMYK	0.52, 0.00, 0.83, 0.49
HSL	97°, 71%, 30%
HSV	97°, 83%, 51%
XYZ	10.1772, 17.0800, 3.5176
YIQ	97.6550, -5.2640, -47.7920

Conversions

Conversions Part 2

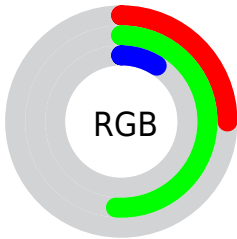
Format	Color
RYB	22, 130, 89
Decimal	4162070
CIELab	48.36, -39.99, 47.27
CIELCh	48, 61.914, 130.230
Yxy	17.0800, 0.3307, 0.5550
Android (android.graphics.Color)	4282352150 (0xFF3F8216)
YUV	97.6550, -37.2979, -30.3924
Hunter-Lab	41.3280, -28.3674, 23.8832

Details

The Yxy color **17.0800, 0.3307, 0.5550** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **4.3067, 0.2462, 0.1258**, and the grayscale version is **12.2189, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.6543, 0.3344, 0.4987**, and **5.7373, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **16.7963, 0.3267, 0.5714**, and if you desaturate by 10%, it is **17.4293, 0.3330, 0.5331**.

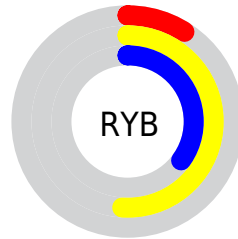
Distribution



Red (25%)

Green (51%)

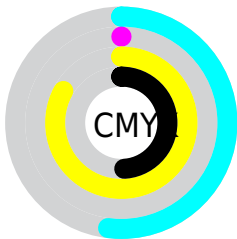
Blue (9%)



Red (9%)

Yellow (51%)

Blue (35%)

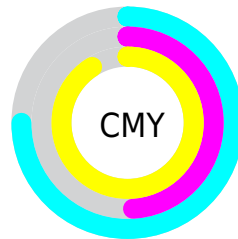


Cyan (52%)

Magenta (0%)

Yellow (83%)

Black (49%)



Cyan (75%)


Magenta (49%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.0800, 0.3307, 0.5550 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 17.0800, 0.3307, 0.5550 by changing the saturation by 10% instead.

 17.0800, 0.3307,
0.5550


 17.0800, 0.3307,
0.5550


235.6330, 0.3295,
0.4176


 10.2915, 0.3237,
0.5971


 38.4633, 0.3342,
0.4988


 5.5927, 0.3154,
0.6709

 53.8269, 0.3341,
0.4795


 2.5990, 0.2699,
0.7301

 72.8177, 0.3335,
0.4640

 0.9262, 0.0000,
1.0000


 95.8200, 0.3328,
0.4513


 0.0000, 0.0000,
0.0000


 123.2183, 0.3320,
0.4407


 155.3970, 0.3311,


0.4318

 192.7404, 0.3303,
0.4242


 17.0800, 0.3307,
0.5550


 17.0800, 0.3307,
0.5550


 16.7963, 0.3267,
0.5714


 17.4293, 0.3330,
0.5331

 16.6285, 0.3239,
0.5811

 17.8470, 0.3337,
0.5068

 18.3381, 0.3327,
0.4777

 18.9065, 0.3304,
0.4474

 19.5559, 0.3272,
0.4173

■ 20.2896, 0.3232,
0.3883

■ 21.1108, 0.3187,
0.3612

■ 22.0224, 0.3142,
0.3363

■ 23.0272, 0.3095,
0.3137

Harmonies

Analogous

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



17.0800, 0.4336, 0.5150



17.0800, 0.3307, 0.5550



17.0800, 0.2286, 0.4878

Triad

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



17.0800, 0.3307, 0.5550



17.0800, 0.1338, 0.1782



17.0800, 0.4898, 0.2840

Complementary

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



17.0800, 0.3307, 0.5550



4.3067, 0.2462, 0.1258

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.



17.0800, 0.3731, 0.2216



17.0800, 0.3307, 0.5550



17.0800, 0.1746, 0.1635

Square

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



17.0800, 0.3307, 0.5550



17.0800, 0.1267, 0.2334



17.0800, 0.2551, 0.1792



17.0800, 0.5425, 0.3560

Rectangle

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



17.0800, 0.3307, 0.5550



17.0800, 0.1753, 0.3934



17.0800, 0.2551, 0.1792



17.0800, 0.4552, 0.2617

Sweetspot

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



17.0807, 0.3307, 0.5550



35.3974, 0.3242, 0.3953



11.8805, 0.4749, 0.4377



7.9255, 0.3254, 0.4037



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



17.0807, 0.3307, 0.5550



29.2036, 0.3223, 0.5823



16.2551, 0.2958, 0.5585



4.8922, 0.3169, 0.3509



15.9471, 0.3240, 0.5810



0.0000, 0.0000, 0.0000

Inverse Universe

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



4.3067, 0.2462, 0.1258



5.8039, 0.2283, 0.1031



6.6124, 0.3449, 0.1792



4.3334, 0.3082, 0.3074



3.2107, 0.2303, 0.1042



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 17.0800, 0.3307, 0.5550 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 17.0800, 0.3307, 0.5550 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 17.0800, 0.3307, 0.5550

Background



This preview shows how black text looks on a background with the Yxy color 17.0800, 0.3307, 0.5550.



This preview shows how white text looks on a background with the Yxy color 17.0800, 0.3307, 0.5550.

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

17.0800, 0.3307, 0.5550

Protanopia

16.9723, 0.4331, 0.4807

Deuteranopia

16.6803, 0.4528, 0.4448



Tritanopia

17.0628, 0.2586, 0.3080

Trichromacy



Original Color

17.0800, 0.3307, 0.5550

Protanomaly

16.4832, 0.3923, 0.5107

Deuteranomaly

16.1619, 0.4039, 0.4865

Tritanomaly

16.6265, 0.2906, 0.4053

Monochromacy



Original Color

17.0800, 0.3307, 0.5550

Achromatopsia

12.2139, 0.3127, 0.3290

Achromatomaly

13.5254, 0.3278, 0.4252

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.0800, 0.3307, 0.5550 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, 130, 22)` looks like.

```
.text, #text, p{  
    color:rgb(63, 130, 22)  
}
```

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, 130, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 130, 22) }
```

Border

The CSS property to change the border of an element to Yxy 17.0800, 0.3307, 0.5550 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, 130, 22) }
```

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

```
.border{ border-color:rgb(63, 130, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 130, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 130, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 130, 22);  
box-shadow:4px 4px 4px 4px rgb(63, 130,  
22) }
```


Background

The CSS property to change the background color of an element to Yxy 17.0800, 0.3307, 0.5550 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 130, 22) }
```

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

```
.background{ background-color: rgb(63, 130,  
22) }
```

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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