

Converting Colors

$Y_{xy}(17.3089, 0.3309, 0.5702)$

Have a look what the booklet for
Yxy(17.3089, 0.3309, 0.5702)
contains.

Yxy(17.2086, 0.3315, 0.5694)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(17.2086, 0.3315, 0.5694)

Conversions

Conversions Part 1

Format	Color
Hex	3C8307
RGB	60, 131, 7
RGB Percent	24%, 51%, 3%
CMY	0.7647, 0.4863, 0.9724
CMYK	0.54, 0.00, 0.95, 0.49
HSL	94°, 90%, 27%
HSV	94°, 95%, 51%
XYZ	10.0187, 17.2086, 2.9950
YIQ	95.6350, -2.5120, -53.6160

Conversions

Conversions Part 2

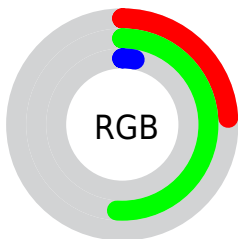
Format	Color
RYB	7, 131, 78
Decimal	3965703
CIELab	48.52, -41.92, 50.87
CIELCh	49, 65.919, 129.491
Yxy	17.2086, 0.3315, 0.5694
Android (android.graphics.Color)	4282155783 (0xFF3C8307)
YUV	95.6350, -43.6971, -31.2519
Hunter-Lab	41.4832, -29.4858, 24.7576

Details

The Yxy color **17.2086, 0.3315, 0.5694** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **3.4116, 0.2253, 0.1051**, and the grayscale version is **11.7141, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.8283, 0.3366, 0.5106**, and **5.7373, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **17.0734, 0.3293, 0.5768**, and if you desaturate by 10%, it is **17.4954, 0.3355, 0.5541**.

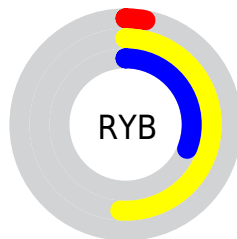
Distribution



Red (24%)

Green (51%)

Blue (3%)



Red (3%)

Yellow (51%)

Blue (31%)

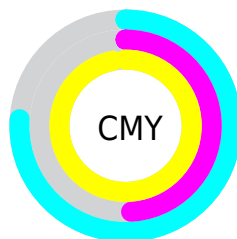


Cyan (54%)

Magenta (0%)

Yellow (95%)

Black (49%)



Cyan (76%)


Magenta (49%)

Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.2086, 0.3315, 0.5694 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 17.2086, 0.3315, 0.5694 by changing the saturation by 10% instead.


 17.2086, 0.3315,
0.5694


 17.2086, 0.3315,
0.5694


236.3716, 0.3316,
0.4240


 10.3833, 0.3229,
0.6126


 38.6841, 0.3362,
0.5105


 5.6539, 0.3121,
0.6879

 54.1031, 0.3363,
0.4901


 2.6358, 0.2605,
0.7395

 73.1555, 0.3358,
0.4736

 0.9447, 0.0000,
1.0000

 96.2256, 0.3350,
0.4600

 0.0000, 0.0000,
0.0000

 123.6979, 0.3342,
0.4487


 155.9567, 0.3333,


0.4392

 193.3865, 0.3324,
0.4310


 17.2086, 0.3315,
0.5694

 17.2086, 0.3315,
0.5694


 17.0734, 0.3293,
0.5768

 17.4954, 0.3355,
0.5541

 17.8404, 0.3378,
0.5335

 18.2498, 0.3383,
0.5085

 18.7276, 0.3370,
0.4804

 19.2776, 0.3342,
0.4509

■ 19.9032, 0.3303,
0.4212

■ 20.6075, 0.3256,
0.3923

■ 21.3935, 0.3205,
0.3651

■ 22.2640, 0.3152,
0.3399

Harmonies

Analogous

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



17.2086, 0.4389, 0.5204



17.2086, 0.3315, 0.5694



17.2086, 0.2250, 0.5027

Triad

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



17.2086, 0.3315, 0.5694



17.2086, 0.1258, 0.1716



17.2086, 0.4979, 0.2789

Complementary

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



17.2086, 0.3315, 0.5694



3.4116, 0.2253, 0.1051

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.



17.2086, 0.3728, 0.2150



17.2086, 0.3315, 0.5694



17.2086, 0.1667, 0.1563

Square

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



17.2086, 0.3315, 0.5694



17.2086, 0.1189, 0.2293



17.2086, 0.2489, 0.1719



17.2086, 0.5546, 0.3525

Rectangle

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



17.2086, 0.3315, 0.5694



17.2086, 0.1693, 0.4010



17.2086, 0.2489, 0.1719



17.2086, 0.4607, 0.2561

Sweetspot

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



17.2093, 0.3315, 0.5694



36.3801, 0.3276, 0.4037



10.1876, 0.5074, 0.4282



8.3610, 0.3293, 0.4146



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.



17.2093, 0.3315, 0.5694



30.4864, 0.3277, 0.5780



16.3136, 0.2985, 0.5872



5.2948, 0.3176, 0.3510



16.8073, 0.3293, 0.5767



0.0624, 0.3638, 0.5493

Inverse Universe

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



3.4116, 0.2253, 0.1051



5.5218, 0.2177, 0.0973



6.4014, 0.3367, 0.1658



4.6663, 0.3074, 0.3072



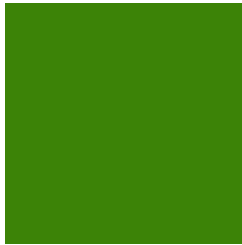
3.0876, 0.2199, 0.0985



0.0150, 0.2650, 0.1234

Previews

White Background



This preview shows how the Yxy color 17.2086, 0.3315, 0.5694 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 17.2086, 0.3315, 0.5694 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

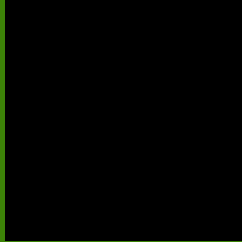
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 17.2086, 0.3315, 0.5694

Background



This preview shows how black text looks on a background with the Yxy color 17.2086, 0.3315, 0.5694.



This preview shows how white text looks on a background with the Yxy color 17.2086, 0.3315, 0.5694.

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

17.2086, 0.3315, 0.5694

Protanopia

16.9286, 0.4391, 0.4896

Deuteranopia

16.9504, 0.4570, 0.4509



Tritanopia

17.2473, 0.2562, 0.3080

Trichromacy



Original Color

17.2086, 0.3315, 0.5694

Protanomaly

16.6244, 0.3948, 0.5225

Deuteranomaly

16.2838, 0.4068, 0.4982

Tritanomaly

16.7331, 0.2925, 0.4174

Monochromacy



Original Color

17.2086, 0.3315, 0.5694

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

13.1464, 0.3324, 0.4386

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.2086, 0.3315, 0.5694 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(60, 131, 7)` looks like.

```
.text, #text, p{  
    color:rgb(60, 131, 7)  
}
```

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(60, 131, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 131, 7) }
```

Border

The CSS property to change the border of an element to Yxy 17.2086, 0.3315, 0.5694 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(60, 131, 7) }
```

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

```
.border{ border-color:rgb(60, 131, 7) }
```

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

Here you see how a box with a 4 pixel rgb(60, 131, 7) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 131, 7); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 131, 7);  
box-shadow:4px 4px 4px 4px rgb(60, 131, 7)  
}
```


Background

The CSS property to change the background color of an element to Yxy 17.2086, 0.3315, 0.5694 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 131, 7) }
```

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

```
.background{ background-color: rgb(60, 131,  
7) }
```

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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