

Converting Colors

$Y_{xy}(33.3097, 0.3122, 0.5773)$

Have a look what the booklet for
Yxy(33.3097, 0.3122, 0.5773)
contains.

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Color

Yxy(33.1511, 0.3120, 0.5770)

Conversions

Conversions Part 1

Format	Color
Hex	38B319
RGB	56, 179, 25
RGB Percent	22%, 70%, 10%
CMY	0.7805, 0.2980, 0.9017
CMYK	0.69, 0.00, 0.86, 0.30
HSL	108°, 75%, 40%
HSV	108°, 86%, 70%
XYZ	17.9257, 33.1511, 6.3774
YIQ	124.6670, -23.8740, -73.9700

Conversions

Conversions Part 2

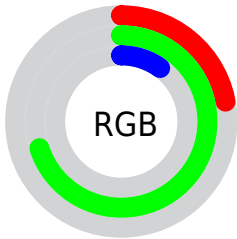
Format	Color
RYB	25, 179, 148
Decimal	3715865
CIELab	64.28, -59.31, 60.75
CIELCh	64, 84.901, 134.314
Yxy	33.1511, 0.3120, 0.5770
Android (android.graphics.Color)	4281905945 (0xFF38B319)
YUV	124.6670, -49.1358, -60.2210
Hunter-Lab	57.5770, -45.1865, 33.7367

Details

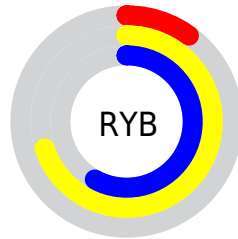
The Yxy color **33.1511, 0.3120, 0.5770** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **10.2595, 0.2780, 0.1377**, and the grayscale version is **20.5652, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.6559, 0.3198, 0.5245**, and **14.6672, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **32.7430, 0.3083, 0.5903**, and if you desaturate by 10%, it is **33.7288, 0.3151, 0.5564**.

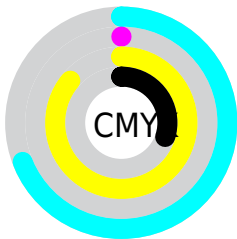
Distribution



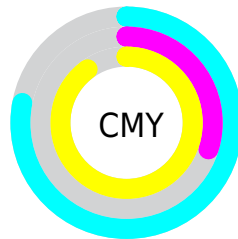
- Red (22%)
- Green (70%)
- Blue (10%)



- Red (10%)
- Yellow (70%)
- Blue (58%)



- Cyan (69%)
- Magenta (0%)
- Yellow (86%)
- Black (30%)





- Cyan (78%)
- Magenta (30%)
- Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.1511, 0.3120, 0.5770 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 33.1511, 0.3120, 0.5770 by changing the saturation by 10% instead.


 33.1511, 0.3120,
0.5770


 33.1511, 0.3120,
0.5770


316.3300, 0.3236,
0.4383


 22.2422, 0.3034,
0.6137


 64.6114, 0.3200,
0.5242


 14.0350, 0.2884,
0.6601


 85.9315, 0.3218,
0.5050

 8.1450, 0.2670,
0.7330


 111.4909, 0.3228,
0.4890

 4.1879, 0.2134,
0.7866

 141.6739, 0.3234,
0.4756

 1.7792, 0.0300,
0.9700

 176.8650, 0.3237,
0.4641

 0.4742, 0.0000,
1.0000

 217.4484, 0.3237,

 0.0000, 0.0000,

0.4543

0.0000

263.8086, 0.3237,
0.4458

■ 33.1511, 0.3120,
0.5770

■ 33.1511, 0.3120,
0.5770

■ 32.7430, 0.3083,
0.5903

■ 33.7288, 0.3151,
0.5564

■ 32.6159, 0.3070,
0.5944

■ 34.4896, 0.3174,
0.5296

■ 35.4500, 0.3186,
0.4985

■ 36.6232, 0.3189,
0.4654

■ 38.0213, 0.3184,
0.4321

■ 39.6556, 0.3173,
0.4002

■ 41.5365, 0.3157,
0.3706

■ 43.6738, 0.3139,
0.3437

■ 46.0767, 0.3119,
0.3197

Harmonies

Analogous

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



33.1511, 0.4234, 0.5375



33.1511, 0.3120, 0.5770



33.1511, 0.2060, 0.4865

Triad

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



33.1511, 0.3120, 0.5770



33.1511, 0.1257, 0.1625



33.1511, 0.5198, 0.2884

Complementary

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



33.1511, 0.3120, 0.5770



10.2595, 0.2780, 0.1377

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.



33.1511, 0.3972, 0.2212



33.1511, 0.3120, 0.5770



33.1511, 0.1732, 0.1527

Square

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



33.1511, 0.3120, 0.5770



33.1511, 0.1132, 0.2125



33.1511, 0.2647, 0.1733



33.1511, 0.5620, 0.3640

Rectangle

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



33.1511, 0.3120, 0.5770



33.1511, 0.1542, 0.3765



33.1511, 0.2647, 0.1733



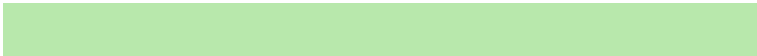
33.1511, 0.4851, 0.2647

Sweetspot

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



33.1525, 0.3120, 0.5770



70.8780, 0.3174, 0.4016



30.1058, 0.4509, 0.4682



15.4719, 0.3178, 0.4123



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



33.1525, 0.3120, 0.5770



58.3356, 0.3062, 0.5950



32.8755, 0.2862, 0.5349



9.5695, 0.3145, 0.3523



23.0693, 0.3076, 0.5940



0.7499, 0.3263, 0.5791

Inverse Universe

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



10.2595, 0.2780, 0.1377



16.2026, 0.2698, 0.1260



12.0430, 0.3920, 0.2023



8.5589, 0.3107, 0.3063



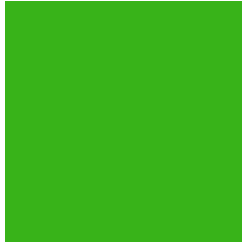
6.4588, 0.2713, 0.1268



0.2251, 0.2860, 0.1349

Previews

White Background



This preview shows how the Yxy color 33.1511, 0.3120, 0.5770 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 33.1511, 0.3120, 0.5770 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 33.1511, 0.3120, 0.5770

Background



This preview shows how black text looks on a background with the Yxy color 33.1511, 0.3120, 0.5770.



This preview shows how white text looks on a background with the Yxy color 33.1511, 0.3120, 0.5770.

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

33.1511, 0.3120, 0.5770

Protanopia

32.4818, 0.4369, 0.4847

Deuteranopia

32.5262, 0.4561, 0.4474



Tritanopia

33.1569, 0.2448, 0.3078

Trichromacy



Original Color

33.1511, 0.3120, 0.5770



Protanomaly

31.4267, 0.3812, 0.5263



Deuteranomaly

30.8655, 0.3935, 0.5008



Tritanomaly

32.2008, 0.2747, 0.4144

Monochromacy



Original Color

33.1511, 0.3120, 0.5770



Achromatopsia

20.5079, 0.3127, 0.3290



Achromatomaly

23.6814, 0.3183, 0.4387

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.1511, 0.3120, 0.5770 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(56, 179, 25)` looks like.

```
.text, #text, p{  
    color:rgb(56, 179, 25)  
}
```

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(56, 179, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 179, 25) }
```

Border

The CSS property to change the border of an element to Yxy 33.1511, 0.3120, 0.5770 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(56, 179, 25) }
```

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

```
.border{ border-color:rgb(56, 179, 25) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 179, 25)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 179, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 179, 25);  
box-shadow:4px 4px 4px 4px rgb(56, 179,  
25) }
```


Background

The CSS property to change the background color of an element to Yxy 33.1511, 0.3120, 0.5770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 179, 25) }
```

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

```
.background{ background-color: rgb(56, 179,  
25) }
```

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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