

Converting Colors

$Y_{xy}(19.4051, 0.3228, 0.5735)$

Have a look what the booklet for
Yxy(19.4051, 0.3228, 0.5735)
contains.

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Color

Yxy(19.3040, 0.3229, 0.5732)

Conversions

Conversions Part 1

Format	Color
Hex	378B0C
RGB	55, 139, 12
RGB Percent	22%, 55%, 5%
CMY	0.7843, 0.4549, 0.9531
CMYK	0.60, 0.00, 0.91, 0.45
HSL	100°, 84%, 30%
HSV	100°, 91%, 55%
XYZ	10.8745, 19.3040, 3.4991
YIQ	99.4060, -9.2970, -57.3050

Conversions

Conversions Part 2

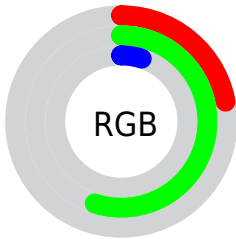
Format	Color
RYB	12, 139, 96
Decimal	3640076
CIELab	51.04, -46.24, 52.00
CIELCh	51, 69.585, 131.642
Yxy	19.3040, 0.3229, 0.5732
Android (android.graphics.Color)	4281830156 (0xFF378B0C)
YUV	99.4060, -43.0912, -38.9441
Hunter-Lab	43.9363, -32.7088, 26.0335

Details

The Yxy color **19.3040, 0.3229, 0.5732** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **4.6105, 0.2462, 0.1181**, and the grayscale version is **12.6978, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.0526, 0.3291, 0.5141**, and **6.9794, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **19.0727, 0.3192, 0.5848**, and if you desaturate by 10%, it is **19.6365, 0.3268, 0.5558**.

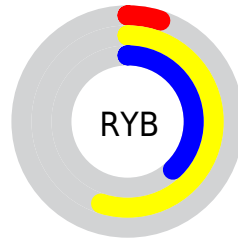
Distribution



Red (22%)

Green (55%)

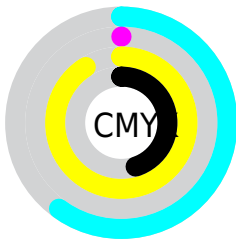
Blue (5%)



Red (5%)

Yellow (55%)

Blue (38%)

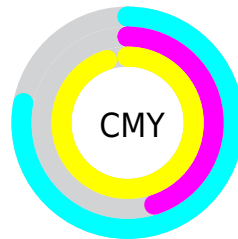


Cyan (60%)

Magenta (0%)

Yellow (91%)

Black (45%)



Cyan (78%)


Magenta (45%)


Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.3040, 0.3229, 0.5732 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 19.3040, 0.3229, 0.5732 by changing the saturation by 10% instead.


 19.3040, 0.3229,
0.5732


 19.3040, 0.3229,
0.5732


248.1219, 0.3281,
0.4268


 11.8901, 0.3135,
0.6163


 42.2472, 0.3294,
0.5143


 6.6689, 0.3009,
0.6882


 58.5453, 0.3302,
0.4938

 3.2559, 0.2542,
0.7458

 78.5736, 0.3304,
0.4771

 1.2668, 0.0254,
0.9746

 102.7165, 0.3301,
0.4635

 0.1152, 0.0000,
1.0000


 131.3583, 0.3297,
0.4520


 0.0000, 0.0000,
0.0000

 164.8836, 0.3292,


0.4423


 203.6767, 0.3287,
0.4340


 19.3040, 0.3229,
0.5732


 19.3040, 0.3229,
0.5732


 19.0727, 0.3192,
0.5848

 19.6365, 0.3268,
0.5558

 20.0492, 0.3291,
0.5326

 20.5489, 0.3299,
0.5052

 21.1413, 0.3293,
0.4751

 21.8312, 0.3274,
0.4440

■ 22.6233, 0.3246,
0.4134

■ 23.5216, 0.3211,
0.3842

■ 24.5304, 0.3173,
0.3570

■ 25.6532, 0.3133,
0.3323

Harmonies

Analogous

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



19.3040, 0.4322, 0.5280



19.3040, 0.3229, 0.5732



19.3040, 0.2165, 0.4961

Triad

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



19.3040, 0.3229, 0.5732



19.3040, 0.1256, 0.1674



19.3040, 0.5079, 0.2831

Complementary

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



19.3040, 0.3229, 0.5732



4.6105, 0.2462, 0.1181

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.



19.3040, 0.3835, 0.2176



19.3040, 0.3229, 0.5732



19.3040, 0.1694, 0.1546

Square

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



19.3040, 0.3229, 0.5732



19.3040, 0.1162, 0.2216



19.3040, 0.2557, 0.1723



19.3040, 0.5583, 0.3576

Rectangle

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



19.3040, 0.3229, 0.5732



19.3040, 0.1624, 0.3903



19.3040, 0.2557, 0.1723



19.3040, 0.4717, 0.2598

Sweetspot

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



19.3048, 0.3229, 0.5732



41.1028, 0.3233, 0.4020



13.6169, 0.4828, 0.4453



9.3644, 0.3243, 0.4109



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



19.3048, 0.3229, 0.5732



34.0712, 0.3178, 0.5859



18.6429, 0.2949, 0.5708



5.6852, 0.3164, 0.3512



17.2220, 0.3195, 0.5845



0.1219, 0.3526, 0.5582

Inverse Universe

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



4.6105, 0.2462, 0.1181



7.3102, 0.2372, 0.1080



7.1059, 0.3573, 0.1792



5.0455, 0.3087, 0.3071



3.7411, 0.2392, 0.1091



0.0329, 0.2782, 0.1306

Previews

White Background



This preview shows how the Yxy color 19.3040, 0.3229, 0.5732 looks on a white 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

Black Background



This preview shows how the Yxy color 19.3040, 0.3229, 0.5732 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 19.3040, 0.3229, 0.5732

Background



This preview shows how black text looks on a background with the Yxy color 19.3040, 0.3229, 0.5732.



This preview shows how white text looks on a background with the Yxy color 19.3040, 0.3229, 0.5732.

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

19.3040, 0.3229, 0.5732

Protanopia

18.9090, 0.4396, 0.4892

Deuteranopia

19.0358, 0.4567, 0.4499



Tritanopia

19.2137, 0.2511, 0.3068

Trichromacy



Original Color

19.3040, 0.3229, 0.5732

Protanomaly

18.5729, 0.3905, 0.5254

Deuteranomaly

18.2632, 0.4020, 0.4992

Tritanomaly

18.8675, 0.2859, 0.4186

Monochromacy



Original Color

19.3040, 0.3229, 0.5732

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

14.2789, 0.3272, 0.4409

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.3040, 0.3229, 0.5732 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(55, 139, 12)` looks like.

```
.text, #text, p{  
    color:rgb(55, 139, 12)  
}
```

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(55, 139, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 139, 12) }
```

Border

The CSS property to change the border of an element to Yxy 19.3040, 0.3229, 0.5732 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(55, 139, 12) }
```

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

```
.border{ border-color:rgb(55, 139, 12) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 139, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 139, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 139, 12);  
box-shadow:4px 4px 4px 4px rgb(55, 139,  
12) }
```


Background

The CSS property to change the background color of an element to Yxy 19.3040, 0.3229, 0.5732 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 139, 12) }
```

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

```
.background{ background-color: rgb(55, 139,  
12) }
```

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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