

Converting Colors

$Y_{xy}(19.4698, 0.3233, 0.5716)$

Have a look what the booklet for
Yxy(19.4698, 0.3233, 0.5716)
contains.

Yxy(19.3377, 0.3233, 0.5712)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(19.3377, 0.3233, 0.5712)

Conversions

Conversions Part 1

Format	Color
Hex	388B0E
RGB	56, 139, 14
RGB Percent	22%, 55%, 5%
CMY	0.7802, 0.4549, 0.9450
CMYK	0.60, 0.00, 0.90, 0.45
HSL	100°, 82%, 30%
HSV	100°, 90%, 55%
XYZ	10.9452, 19.3377, 3.5717
YIQ	99.9330, -9.3430, -56.4710

Conversions

Conversions Part 2

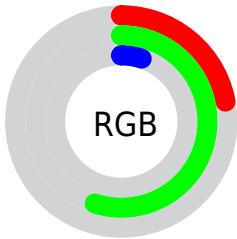
Format	Color
RYB	14, 139, 97
Decimal	3705614
CIELab	51.08, -45.88, 51.63
CIELCh	51, 69.073, 131.625
Yxy	19.3377, 0.3233, 0.5712
Android (android.graphics.Color)	4281895694 (0xFF388B0E)
YUV	99.9330, -42.3650, -38.5292
Hunter-Lab	43.9747, -32.5275, 25.9667

Details

The Yxy color **19.3377, 0.3233, 0.5712** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **4.7181, 0.2480, 0.1201**, and the grayscale version is **12.8426, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.1317, 0.3294, 0.5124**, and **6.9794, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **19.0650, 0.3190, 0.5849**, and if you desaturate by 10%, it is **19.6813, 0.3270, 0.5528**.

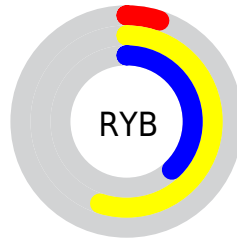
Distribution



Red (22%)

Green (55%)

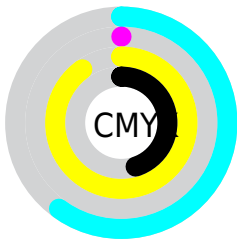
Blue (5%)



Red (5%)

Yellow (55%)

Blue (38%)

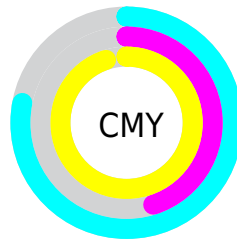


Cyan (60%)

Magenta (0%)

Yellow (90%)

Black (45%)



Cyan (78%)


Magenta (45%)

Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.3377, 0.3233, 0.5712 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 19.3377, 0.3233, 0.5712 by changing the saturation by 10% instead.


 19.3377, 0.3233,
0.5712


 19.3377, 0.3233,
0.5712


248.3068, 0.3281,
0.4260

 11.9145, 0.3142,
0.6140


 42.3040, 0.3296,
0.5127


 6.6855, 0.3015,
0.6845


 58.6159, 0.3303,
0.4924


 3.2662, 0.2562,
0.7438

 78.6594, 0.3304,
0.4759

 1.2722, 0.0348,
0.9652

 102.8191, 0.3302,
0.4623

 0.1196, 0.0000,
1.0000

 131.4793, 0.3297,
0.4510

 0.0000, 0.0000,
0.0000


 165.0244, 0.3292,


0.4414


 203.8387, 0.3286,
0.4332


 19.3377, 0.3233,
0.5712


 19.3377, 0.3233,
0.5712


 19.0650, 0.3190,
0.5849


 19.6813, 0.3270,
0.5528

 19.0628, 0.3189,
0.5850

 20.1063, 0.3291,
0.5290

 20.6196, 0.3297,
0.5009

 21.2266, 0.3289,
0.4706

 21.9323, 0.3269,
0.4394

■ 22.7411, 0.3240,
0.4089

■ 23.6574, 0.3205,
0.3800

■ 24.6850, 0.3167,
0.3532

■ 25.8277, 0.3127,
0.3288

Harmonies

Analogous

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



19.3377, 0.4320, 0.5270



19.3377, 0.3233, 0.5712



19.3377, 0.2174, 0.4946

Triad

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



19.3377, 0.3233, 0.5712



19.3377, 0.1265, 0.1684



19.3377, 0.5064, 0.2835

Complementary

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



19.3377, 0.3233, 0.5712



4.7181, 0.2480, 0.1201

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.



19.3377, 0.3830, 0.2183



19.3377, 0.3233, 0.5712



19.3377, 0.1702, 0.1555

Square

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



19.3377, 0.3233, 0.5712



19.3377, 0.1172, 0.2225



19.3377, 0.2561, 0.1732



19.3377, 0.5567, 0.3578

Rectangle

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



19.3377, 0.3233, 0.5712



19.3377, 0.1635, 0.3900



19.3377, 0.2561, 0.1732



19.3377, 0.4704, 0.2603

Sweetspot

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



19.3385, 0.3233, 0.5712



41.0913, 0.3232, 0.4020



13.7511, 0.4806, 0.4453



9.3616, 0.3242, 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.



19.3385, 0.3233, 0.5712



34.0568, 0.3175, 0.5861



18.6665, 0.2947, 0.5680



5.6847, 0.3164, 0.3512



17.2145, 0.3192, 0.5847



0.1218, 0.3523, 0.5585

Inverse Universe

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



4.7181, 0.2480, 0.1201



7.3425, 0.2378, 0.1084



7.1656, 0.3565, 0.1798



5.0462, 0.3087, 0.3071



3.7572, 0.2398, 0.1095



0.0330, 0.2785, 0.1308

Previews

White Background



This preview shows how the Yxy color 19.3377, 0.3233, 0.5712 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 19.3377, 0.3233, 0.5712 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 19.3377, 0.3233, 0.5712

Background



This preview shows how black text looks on a background with the Yxy color 19.3377, 0.3233, 0.5712.



This preview shows how white text looks on a background with the Yxy color 19.3377, 0.3233, 0.5712.

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

19.3377, 0.3233, 0.5712

Protanopia

19.0041, 0.4395, 0.4861

Deuteranopia

19.0412, 0.4561, 0.4490



Tritanopia

19.2137, 0.2511, 0.3068

Trichromacy



Original Color

19.3377, 0.3233, 0.5712

Protanomaly

18.6440, 0.3908, 0.5225

Deuteranomaly

18.2674, 0.4015, 0.4983

Tritanomaly

18.8853, 0.2851, 0.4162

Monochromacy



Original Color

19.3377, 0.3233, 0.5712

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

14.3491, 0.3264, 0.4357

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.3377, 0.3233, 0.5712 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, 139, 14)` looks like.

```
.text, #text, p{  
    color:rgb(56, 139, 14)  
}
```

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, 139, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 139, 14) }
```

Border

The CSS property to change the border of an element to Yxy 19.3377, 0.3233, 0.5712 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, 139, 14) }
```

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

```
.border{ border-color:rgb(56, 139, 14) }
```

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

Here you see how a box with a 4 pixel rgb(56, 139, 14) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 139, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 139, 14);  
box-shadow:4px 4px 4px 4px rgb(56, 139,  
14) }
```


Background

The CSS property to change the background color of an element to Yxy 19.3377, 0.3233, 0.5712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 139, 14) }
```

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

```
.background{ background-color: rgb(56, 139,  
14) }
```

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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