

Converting Colors

$Y_{xy}(19.2475, 0.3354, 0.5719)$

Have a look what the booklet for
Yxy(19.2475, 0.3354, 0.5719)
contains.

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Color

Yxy(19.3352, 0.3353, 0.5720)

Conversions

Conversions Part 1

Format	Color
Hex	428A00
RGB	66, 138, 0
RGB Percent	26%, 54%, 0%
CMY	0.7413, 0.4588, 1.0000
CMYK	0.52, 0.00, 1.00, 0.46
HSL	91°, 100%, 27%
HSV	91°, 100%, 54%
XYZ	11.3341, 19.3352, 3.1335
YIQ	100.7400, 1.3860, -58.1820

Conversions

Conversions Part 2

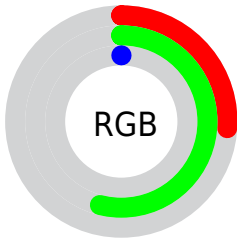
Format	Color
RYB	0, 138, 72
Decimal	4360704
CIELab	51.08, -43.02, 54.36
CIElCh	51, 69.324, 128.358
Yxy	19.3352, 0.3353, 0.5720
Android (android.graphics.Color)	4282550784 (0xFF428A00)
YUV	100.7400, -49.6648, -30.4670
Hunter-Lab	43.9718, -30.9409, 26.5551

Details

The Yxy color **19.3352, 0.3353, 0.5720** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **3.2138, 0.2089, 0.0925**, and the grayscale version is **13.0727, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.2421, 0.3396, 0.5144**, and **6.8164, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **19.3361, 0.3353, 0.5720**, and if you desaturate by 10%, it is **19.6333, 0.3395, 0.5589**.

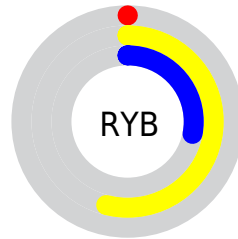
Distribution



Red (26%)

Green (54%)

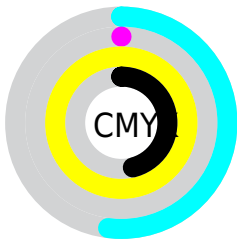
Blue (0%)



Red (0%)

Yellow (54%)

Blue (28%)

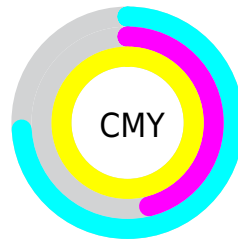


Cyan (52%)

Magenta (0%)

Yellow (100%)

Black (46%)



Cyan (74%)


Magenta (46%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.3352, 0.3353, 0.5720 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 19.3352, 0.3353, 0.5720 by changing the saturation by 10% instead.


 19.3352, 0.3353,
0.5720


 19.3352, 0.3353,
0.5720


248.2931, 0.3341,
0.4280


 11.9127, 0.3273,
0.6129


 42.2997, 0.3396,
0.5148


 6.6843, 0.3174,
0.6826


 58.6106, 0.3395,
0.4947

 3.2654, 0.2706,
0.7294

 78.6531, 0.3389,
0.4782

 1.2718, 0.0832,
0.9168

 102.8115, 0.3380,
0.4646

 0.1192, 0.0000,
1.0000


 131.4703, 0.3370,
0.4532


 0.0000, 0.0000,
0.0000


 165.0139, 0.3360,


0.4435

 203.8267, 0.3350,
0.4352


 19.3352, 0.3353,
0.5720


 19.3352, 0.3353,
0.5720


 19.3361, 0.3353,
0.5720

 19.6333, 0.3395,
0.5589

 19.9828, 0.3426,
0.5418

 20.3961, 0.3436,
0.5198

 20.8780, 0.3426,
0.4940

 21.4326, 0.3399,
0.4657

■ 22.0637, 0.3358,
0.4365

■ 22.7746, 0.3307,
0.4075

■ 23.5685, 0.3250,
0.3795

■ 24.4485, 0.3189,
0.3532

Harmonies

Analogous

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



19.3352, 0.4432, 0.5187



19.3352, 0.3353, 0.5720



19.3352, 0.2275, 0.5100

Triad

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



19.3352, 0.3353, 0.5720



19.3352, 0.1235, 0.1715



19.3352, 0.4961, 0.2756

Complementary

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



19.3352, 0.3353, 0.5720



3.2138, 0.2089, 0.0925

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.



19.3352, 0.3682, 0.2118



19.3352, 0.3353, 0.5720



19.3352, 0.1632, 0.1549

Square

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



19.3352, 0.3353, 0.5720



19.3352, 0.1178, 0.2314



19.3352, 0.2442, 0.1695



19.3352, 0.5566, 0.3492

Rectangle

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



19.3352, 0.3353, 0.5720



19.3352, 0.1704, 0.4079



19.3352, 0.2442, 0.1695



19.3352, 0.4576, 0.2527

Sweetspot

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



19.3361, 0.3353, 0.5720



40.0561, 0.3311, 0.4093



9.9488, 0.5325, 0.4154



8.8793, 0.3330, 0.4198



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



19.3361, 0.3353, 0.5720



33.9874, 0.3338, 0.5731



18.1836, 0.2996, 0.5985



5.7178, 0.3184, 0.3511



17.7356, 0.3355, 0.5718



0.1264, 0.3698, 0.5445

Inverse Universe

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



3.2138, 0.2089, 0.0925



5.5700, 0.2069, 0.0913



7.1730, 0.3250, 0.1564



5.0122, 0.3067, 0.3070



2.9551, 0.2093, 0.0927



0.0284, 0.2571, 0.1190

Previews

White Background



This preview shows how the Yxy color 19.3352, 0.3353, 0.5720 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 19.3352, 0.3353, 0.5720 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

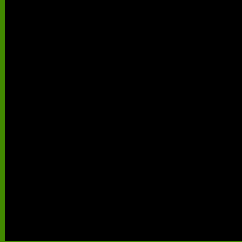
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.3352, 0.3353, 0.5720

Background



This preview shows how black text looks on a background with the Yxy color 19.3352, 0.3353, 0.5720.



This preview shows how white text looks on a background with the Yxy color 19.3352, 0.3353, 0.5720.

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

19.3352, 0.3353, 0.5720

Protanopia

18.9931, 0.4409, 0.4881

Deuteranopia

19.0207, 0.4586, 0.4522



Tritanopia

19.2337, 0.2574, 0.3070

Trichromacy



Original Color

19.3352, 0.3353, 0.5720

Protanomaly

18.5583, 0.3980, 0.5222

Deuteranomaly

18.2745, 0.4113, 0.4985

Tritanomaly

18.8268, 0.2979, 0.4264

Monochromacy



Original Color

19.3352, 0.3353, 0.5720

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

14.4795, 0.3373, 0.4453

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.3352, 0.3353, 0.5720 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(66, 138, 0)` looks like.

```
.text, #text, p{  
    color:rgb(66, 138, 0)  
}
```

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(66, 138, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 138, 0) }
```

Border

The CSS property to change the border of an element to Yxy 19.3352, 0.3353, 0.5720 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(66, 138, 0) }
```

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

```
.border{ border-color:rgb(66, 138, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 138, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 138, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 138, 0);  
box-shadow:4px 4px 4px 4px rgb(66, 138, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 19.3352, 0.3353, 0.5720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 138, 0) }
```

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

```
.background{ background-color: rgb(66, 138,  
0) }
```

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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