

Converting Colors

$Y_{xy}(13.7138, 0.3327, 0.5741)$

Have a look what the booklet for
Yxy(13.7138, 0.3327, 0.5741)
contains.

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Color

Yxy(13.7138, 0.3327, 0.5741)

Conversions

Conversions Part 1

Format	Color
Hex	357600
RGB	53, 118, 0
RGB Percent	21%, 46%, 0%
CMY	0.7921, 0.5373, 1.0000
CMYK	0.55, 0.00, 1.00, 0.54
HSL	93°, 100%, 23%
HSV	93°, 100%, 46%
XYZ	7.9474, 13.7138, 2.2263
YIQ	85.1130, -0.8620, -50.4780

Conversions

Conversions Part 2

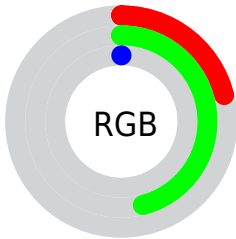
Format	Color
RYB	0, 118, 65
Decimal	3503616
CIELab	43.82, -39.20, 48.45
CIElCh	44, 62.322, 128.979
Yxy	13.7138, 0.3327, 0.5741
Android (android.graphics.Color)	4281693696 (0xFF357600)
YUV	85.1130, -41.9607, -28.1631
Hunter-Lab	37.0321, -26.4989, 22.3581

Details

The Yxy color **13.7138, 0.3327, 0.5741** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **2.4310, 0.2162, 0.0965**, and the grayscale version is **9.2008, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.6618, 0.3378, 0.5103**, and **4.2562, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **13.7145, 0.3327, 0.5741**, and if you desaturate by 10%, it is **13.9289, 0.3365, 0.5595**.

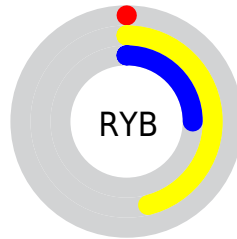
Distribution



Red (21%)

Green (46%)

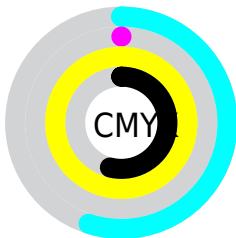
Blue (0%)



Red (0%)

Yellow (46%)

Blue (25%)

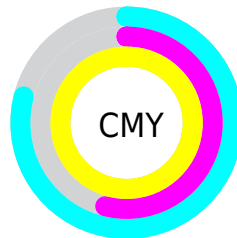


Cyan (55%)

Magenta (0%)

Yellow (100%)

Black (54%)



Cyan (79%)


Magenta (54%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.7138, 0.3327, 0.5741 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 13.7138, 0.3327, 0.5741 by changing the saturation by 10% instead.


 13.7138, 0.3327,
0.5741


 13.7138, 0.3327,
0.5741


215.4430, 0.3321,
0.4217

 7.9219, 0.3232,
0.6226


 32.5803, 0.3378,
0.5109

 4.0450, 0.3039,
0.6961

 46.4238, 0.3377,
0.4894


 1.6988, 0.2264,
0.7736

 63.7198, 0.3370,
0.4723

 0.4229, 0.0000,
1.0000


 84.8528, 0.3361,
0.4583


 0.0000, 0.0000,
0.0000


 110.2073, 0.3351,
0.4467


 140.1675, 0.3341,


0.4370


 175.1180, 0.3331,
0.4288


 13.7138, 0.3327,
0.5741

 13.7138, 0.3327,
0.5741

 13.7145, 0.3327,
0.5741

 13.9289, 0.3365,
0.5595

 14.1802, 0.3395,
0.5417

 14.4784, 0.3406,
0.5191

 14.8267, 0.3398,
0.4929

 15.2281, 0.3374,
0.4645

■ 15.6852, 0.3337,
0.4353

■ 16.2003, 0.3291,
0.4065

■ 16.7759, 0.3239,
0.3788

■ 17.4139, 0.3183,
0.3529

Harmonies

Analogous

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



13.7138, 0.4415, 0.5213



13.7138, 0.3327, 0.5741



13.7138, 0.2247, 0.5090

Triad

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



13.7138, 0.3327, 0.5741



13.7138, 0.1229, 0.1698



13.7138, 0.4997, 0.2766

Complementary

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



13.7138, 0.3327, 0.5741



2.4310, 0.2162, 0.0965

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.



13.7138, 0.3714, 0.2123



13.7138, 0.3327, 0.5741



13.7138, 0.1635, 0.1539

Square

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



13.7138, 0.3327, 0.5741



13.7138, 0.1165, 0.2288



13.7138, 0.2459, 0.1692



13.7138, 0.5585, 0.3506

Rectangle

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



13.7138, 0.3327, 0.5741



13.7138, 0.1679, 0.4051



13.7138, 0.2459, 0.1692



13.7138, 0.4613, 0.2536

Sweetspot

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



13.7145, 0.3327, 0.5741



28.4141, 0.3295, 0.4086



7.6207, 0.5211, 0.4244



6.4622, 0.3311, 0.4180



60.3827, 0.3127, 0.3290



7.3239, 0.3127, 0.3290

Same Dimension

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



13.7145, 0.3327, 0.5741



24.0386, 0.3310, 0.5754



12.9699, 0.2985, 0.5947



4.1713, 0.3178, 0.3505



14.8298, 0.3324, 0.5743



71.7733, 0.3287, 0.5772

Inverse Universe

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



2.4310, 0.2162, 0.0965



4.1962, 0.2139, 0.0952



5.0237, 0.3333, 0.1610



3.6800, 0.3073, 0.3076



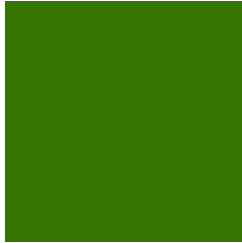
2.6225, 0.2158, 0.0963



12.2654, 0.2108, 0.0935

Previews

White Background



This preview shows how the Yxy color 13.7138, 0.3327, 0.5741 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 13.7138, 0.3327, 0.5741 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

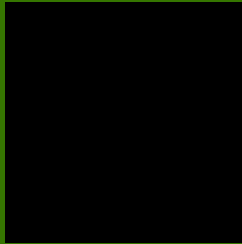
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.7138, 0.3327, 0.5741

Background



This preview shows how black text looks on a background with the Yxy color 13.7138, 0.3327, 0.5741.



This preview shows how white text looks on a background with the Yxy color 13.7138, 0.3327, 0.5741.

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

13.7138, 0.3327, 0.5741

Protanopia

13.4135, 0.4396, 0.4892

Deuteranopia

13.5471, 0.4573, 0.4510



Tritanopia

13.7859, 0.2556, 0.3082

Trichromacy



Original Color

13.7138, 0.3327, 0.5741

Protanomaly

13.0523, 0.3962, 0.5236

Deuteranomaly

12.9624, 0.4088, 0.4991

Tritanomaly

13.4220, 0.2943, 0.4236

Monochromacy



Original Color

13.7138, 0.3327, 0.5741

Achromatopsia

9.0842, 0.3127, 0.3290

Achromatomaly

10.2322, 0.3346, 0.4453

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.7138, 0.3327, 0.5741 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(53, 118, 0)` looks like.

```
.text, #text, p{  
    color:rgb(53, 118, 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(53, 118, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 118, 0) }
```

Border

The CSS property to change the border of an element to Yxy 13.7138, 0.3327, 0.5741 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(53, 118, 0) }
```

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

```
.border{ border-color:rgb(53, 118, 0) }
```

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

Here you see how a box with a 4 pixel rgb(53, 118, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 118, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 118, 0);  
box-shadow:4px 4px 4px 4px rgb(53, 118, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.7138, 0.3327, 0.5741 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 118, 0) }
```

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

```
.background{ background-color: rgb(53, 118,  
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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