

Converting Colors

$Y_{xy}(13.1358, 0.3242, 0.5407)$

Have a look what the booklet for
Yxy(13.1358, 0.3242, 0.5407)
contains.

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Color

Yxy(13.1344, 0.3241, 0.5407)

Conversions

Conversions Part 1

Format	Color
Hex	36731D
RGB	54, 115, 29
RGB Percent	21%, 45%, 11%
CMY	0.7884, 0.5490, 0.8862
CMYK	0.53, 0.00, 0.75, 0.55
HSL	103°, 60%, 28%
HSV	103°, 75%, 45%
XYZ	7.8729, 13.1344, 3.2842
YIQ	86.9570, -8.7500, -39.6780

Conversions

Conversions Part 2

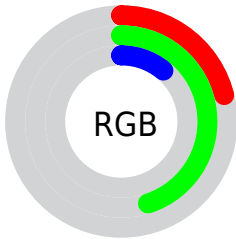
Format	Color
R_{YB}	29, 115, 90
Decimal	3568413
CIE _{Lab}	42.97, -36.20, 39.41
CIE _{LCh}	43, 53.513, 132.574
Yxy	13.1344, 0.3241, 0.5407
Android (android.graphics.Color)	4281758493 (0xFF36731D)
YUV	86.9570, -28.5728, -28.9033
Hunter-Lab	36.2414, -24.6462, 19.9961

Details

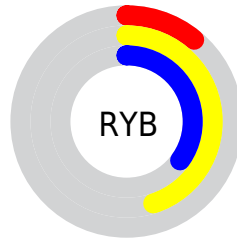
The Yxy color **13.1344, 0.3241, 0.5407** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **4.2947, 0.2704, 0.1497**, and the grayscale version is **9.5845, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.6956, 0.3276, 0.4835**, and **3.8964, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **12.8812, 0.3214, 0.5628**, and if you desaturate by 10%, it is **13.4480, 0.3255, 0.5139**.

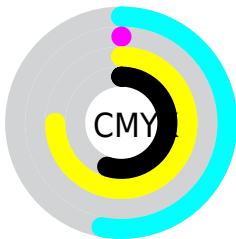
Distribution



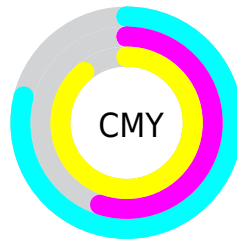
- Red (21%)
- Green (45%)
- Blue (11%)



- Red (11%)
- Yellow (45%)
- Blue (35%)



- Cyan (53%)
- Magenta (0%)
- Yellow (75%)
- Black (55%)




- Cyan (79%)
- Magenta (55%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.1344, 0.3241, 0.5407 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 13.1344, 0.3241, 0.5407 by changing the saturation by 10% instead.


 13.1344, 0.3241,
0.5407


 13.1344, 0.3241,
0.5407


211.7772, 0.3247,
0.4066


 7.5212, 0.3169,
0.5863


 31.5450, 0.3278,
0.4833


 3.7901, 0.3138,
0.6839

 45.1112, 0.3279,
0.4645


 1.5569, 0.2358,
0.7642

 62.0972, 0.3276,
0.4497

 0.3283, 0.0000,
1.0000

 82.8873, 0.3271,
0.4377

 0.0000, 0.0000,
0.0000

 107.8659, 0.3265,
0.4279

 137.4176, 0.3259,


0.4196


 171.9265, 0.3253,
0.4126


 13.1344, 0.3241,
0.5407


 13.1344, 0.3241,
0.5407


 12.8812, 0.3214,
0.5628

 13.4480, 0.3255,
0.5139


 12.6812, 0.3176,
0.5794

 13.8241, 0.3257,
0.4841

 12.5920, 0.3158,
0.5874

 14.2668, 0.3247,
0.4531

 14.7794, 0.3228,
0.4223

 15.3648, 0.3203,
0.3928

■ 16.0260, 0.3174,
0.3653

■ 16.7655, 0.3143,
0.3401

■ 17.5859, 0.3110,
0.3174

■ 18.4896, 0.3078,
0.2972

Harmonies

Analogous

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



13.1344, 0.4232, 0.5126



13.1344, 0.3241, 0.5407



13.1344, 0.2271, 0.4682

Triad

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



13.1344, 0.3241, 0.5407



13.1344, 0.1428, 0.1827



13.1344, 0.4867, 0.2923

Complementary

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



13.1344, 0.3241, 0.5407



4.2947, 0.2704, 0.1497

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.



13.1344, 0.3797, 0.2307



13.1344, 0.3241, 0.5407



13.1344, 0.1854, 0.1705

Square

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



13.1344, 0.3241, 0.5407



13.1344, 0.1337, 0.2332



13.1344, 0.2661, 0.1877



13.1344, 0.5316, 0.3629

Rectangle

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



13.1344, 0.3241, 0.5407



13.1344, 0.1776, 0.3794



13.1344, 0.2661, 0.1877



13.1344, 0.4556, 0.2704

Sweetspot

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



13.1350, 0.3241, 0.5407



27.7577, 0.3197, 0.3866



10.9141, 0.4443, 0.4456



6.5661, 0.3203, 0.3925



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.



13.1350, 0.3241, 0.5407



22.7846, 0.3185, 0.5757



12.7233, 0.2907, 0.5183



4.1449, 0.3156, 0.3506



14.3838, 0.3154, 0.5878



69.7061, 0.3122, 0.5903

Inverse Universe

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



4.2947, 0.2704, 0.1497



5.9498, 0.2572, 0.1245



5.4035, 0.3575, 0.1990



3.7071, 0.3095, 0.3078



3.4360, 0.2511, 0.1157



16.2901, 0.2473, 0.1136

Previews

White Background



This preview shows how the Yxy color 13.1344, 0.3241, 0.5407 looks on a white background.

Color Contrast Check

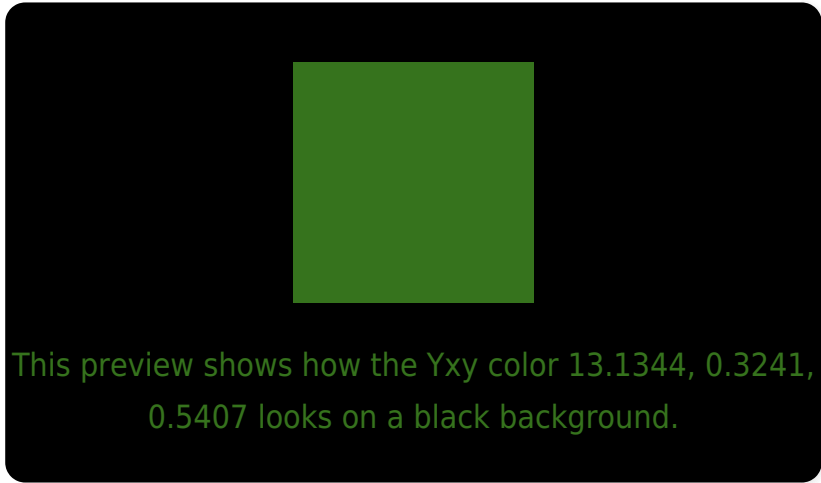
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

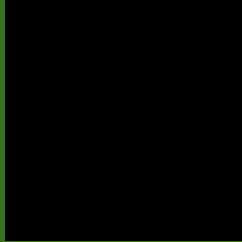
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.1344, 0.3241, 0.5407

Background



This preview shows how black text looks on a background with the Yxy color 13.1344, 0.3241, 0.5407.



This preview shows how white text looks on a background with the Yxy color 13.1344, 0.3241, 0.5407.

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

13.1344, 0.3241, 0.5407

Protanopia

12.8927, 0.4253, 0.4706

Deuteranopia

12.9349, 0.4431, 0.4368



Tritanopia

13.0784, 0.2574, 0.3078

Trichromacy



Original Color

13.1344, 0.3241, 0.5407

Protanomaly

12.6625, 0.3846, 0.4986

Deuteranomaly

12.5253, 0.3952, 0.4762

Tritanomaly

12.8819, 0.2854, 0.3957

Monochromacy



Original Color

13.1344, 0.3241, 0.5407

Achromatopsia

9.5307, 0.3127, 0.3290

Achromatomaly

10.4386, 0.3220, 0.4120

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.1344, 0.3241, 0.5407 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(54, 115, 29)` looks like.

```
.text, #text, p{  
    color:rgb(54, 115, 29)  
}
```

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(54, 115, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 115, 29) }
```

Border

The CSS property to change the border of an element to Yxy 13.1344, 0.3241, 0.5407 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(54, 115, 29) }
```

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

```
.border{ border-color:rgb(54, 115, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(54, 115, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 115, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 115, 29);  
box-shadow:4px 4px 4px 4px rgb(54, 115,  
29) }
```


Background

The CSS property to change the background color of an element to Yxy 13.1344, 0.3241, 0.5407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 115, 29) }
```

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

```
.background{ background-color: rgb(54, 115,  
29) }
```

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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