

Converting Colors

$Y_{xy}(13.1196, 0.3733, 0.5211)$

Have a look what the booklet for
Yxy(13.1196, 0.3733, 0.5211)
contains.

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Color

Yxy(13.0837, 0.3728, 0.5216)

Conversions

Conversions Part 1

Format	Color
Hex	546E13
RGB	84, 110, 19
RGB Percent	33%, 43%, 7%
CMY	0.6705, 0.5686, 0.9255
CMYK	0.24, 0.00, 0.83, 0.57
HSL	77°, 71%, 25%
HSV	77°, 83%, 43%
XYZ	9.3512, 13.0837, 2.6488
YIQ	91.8520, 13.7150, -33.8130

Conversions

Conversions Part 2

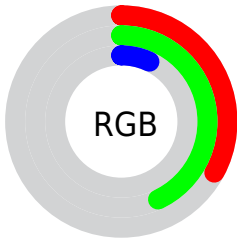
Format	Color
R_{YB}	19, 110, 45
Decimal	5533203
CIE Lab	42.89, -23.01, 43.58
CIE LCh	43, 49.283, 117.832
Yxy	13.0837, 0.3728, 0.5216
Android (android.graphics.Color)	4283723283 (0xFF546E13)
YUV	91.8520, -35.9160, -6.8862
Hunter-Lab	36.1714, -17.1531, 20.9781

Details

The Yxy color **13.0837, 0.3728, 0.5216** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **2.1493, 0.1945, 0.1013**, and the grayscale version is **10.7500, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.5298, 0.3640, 0.4740**, and **3.8026, 0.3540, 0.5572** is the 20% darker color. If you saturate the color by 10%, you get **12.9131, 0.3726, 0.5344**, and if you desaturate by 10%, it is **13.2792, 0.3708, 0.5047**.

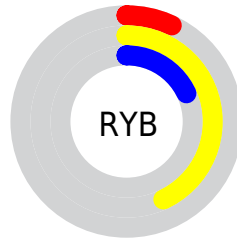
Distribution



Red (33%)

Green (43%)

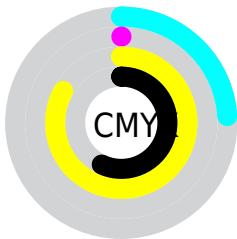
Blue (7%)



Red (7%)

Yellow (43%)

Blue (18%)

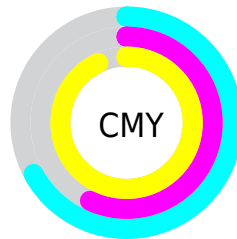


Cyan (24%)

Magenta (0%)

Yellow (83%)

Black (57%)



Cyan (67%)


Magenta (57%)

Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.0837, 0.3728, 0.5216 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 13.0837, 0.3728, 0.5216 by changing the saturation by 10% instead.


 13.0837, 0.3728,
0.5216


 13.0837, 0.3728,
0.5216

211.4534, 0.3442,
0.4040


 7.4862, 0.3744,
0.5573


 31.4541, 0.3647,
0.4735


 3.7680, 0.3790,
0.6210

 44.9957, 0.3607,
0.4570

 1.5446, 0.3397,
0.6603

 61.9543, 0.3570,
0.4437

 0.3198, 0.0000,
1.0000

 82.7140, 0.3538,
0.4328

 0.0000, 0.0000,
0.0000

 107.6594, 0.3509,
0.4238


 137.1749, 0.3484,

0.4162

 171.6447, 0.3462,
0.4097

 13.0837, 0.3728,
0.5216

 13.0837, 0.3728,
0.5216


 12.9131, 0.3726,
0.5344

 13.2792, 0.3708,
0.5047

 12.7964, 0.3719,
0.5429

 13.5004, 0.3665,
0.4841

 13.7497, 0.3604,
0.4608

 14.0289, 0.3527,
0.4357

 14.3394, 0.3440,
0.4098

■ 14.6828, 0.3346,
0.3840

■ 15.0604, 0.3250,
0.3590

■ 15.4734, 0.3153,
0.3352

■ 15.9229, 0.3059,
0.3129

Harmonies

Analogous

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



13.0837, 0.4582, 0.4716



13.0837, 0.3728, 0.5216



13.0837, 0.2775, 0.5003

Triad

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



13.0837, 0.3728, 0.5216



13.0837, 0.1445, 0.2108



13.0837, 0.4294, 0.2654

Complementary

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



13.0837, 0.3728, 0.5216



2.1493, 0.1945, 0.1013

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.



13.0837, 0.3213, 0.2141



13.0837, 0.3728, 0.5216



13.0837, 0.1692, 0.1820

Square

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



13.0837, 0.3728, 0.5216



13.0837, 0.1522, 0.2817



13.0837, 0.2278, 0.1848



13.0837, 0.5042, 0.3298

Rectangle

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



13.0837, 0.3728, 0.5216



13.0837, 0.2204, 0.4361



13.0837, 0.2278, 0.1848



13.0837, 0.3944, 0.2464

Sweetspot

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



13.0843, 0.3728, 0.5216



25.6033, 0.3374, 0.3916



5.2226, 0.5368, 0.3749



5.9212, 0.3399, 0.3983



57.0482, 0.3127, 0.3290



6.3724, 0.3127, 0.3290

Same Dimension

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



13.0843, 0.3728, 0.5216



22.4388, 0.3709, 0.5429



11.6243, 0.3156, 0.5626



3.8707, 0.3214, 0.3501



15.3581, 0.3715, 0.5432



76.0524, 0.3688, 0.5453

Inverse Universe

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



2.1493, 0.1945, 0.1013



2.4958, 0.1713, 0.0724



3.7797, 0.2786, 0.1444



3.3423, 0.3036, 0.3076



1.6961, 0.1717, 0.0719



8.0619, 0.1669, 0.0693

Previews

White Background



This preview shows how the Yxy color 13.0837, 0.3728, 0.5216 looks on a white background.

Color Contrast Check

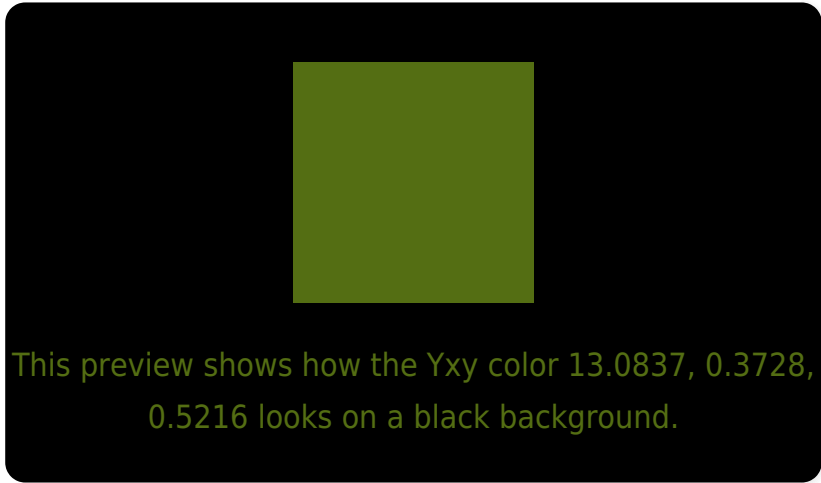
Large Text (above 18pt) WCAG AA ✓ Pass

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

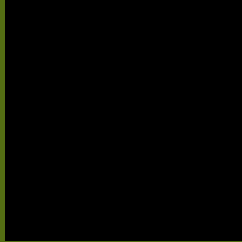
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.0837, 0.3728, 0.5216

Background



This preview shows how black text looks on a background with the Yxy color 13.0837, 0.3728, 0.5216.



This preview shows how white text looks on a background with the Yxy color 13.0837, 0.3728, 0.5216.

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

13.0837, 0.3728, 0.5216

Protanopia

12.9252, 0.4327, 0.4782

Deuteranopia

12.9569, 0.4539, 0.4478



Tritanopia

13.0301, 0.2901, 0.3089

Trichromacy



Original Color

13.0837, 0.3728, 0.5216

Protanomaly

12.8279, 0.4102, 0.4940

Deuteranomaly

12.7528, 0.4236, 0.4749

Tritanomaly

12.8269, 0.3266, 0.3936

Monochromacy



Original Color

13.0837, 0.3728, 0.5216

Achromatopsia

10.7023, 0.3127, 0.3290

Achromatomaly

11.4292, 0.3446, 0.4131

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.0837, 0.3728, 0.5216 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(84, 110, 19)` looks like.

```
.text, #text, p{  
    color:rgb(84, 110, 19)  
}
```

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(84, 110, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 110, 19) }
```

Border

The CSS property to change the border of an element to Yxy 13.0837, 0.3728, 0.5216 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(84, 110, 19) }
```

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

```
.border{ border-color:rgb(84, 110, 19) }
```

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

Here you see how a box with a 4 pixel rgb(84, 110, 19) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 110, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 110, 19);  
box-shadow:4px 4px 4px 4px rgb(84, 110,  
19) }
```


Background

The CSS property to change the background color of an element to Yxy 13.0837, 0.3728, 0.5216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 110, 19) }
```

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

```
.background{ background-color: rgb(84, 110,  
19) }
```

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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