

Converting Colors

$Y_{xy}(13.7133, 0.3680, 0.5244)$

Have a look what the booklet for
Yxy(13.7133, 0.3680, 0.5244)
contains.

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Color

Yxy(13.6998, 0.3678, 0.5249)

Conversions

Conversions Part 1

Format	Color
Hex	537114
RGB	83, 113, 20
RGB Percent	33%, 44%, 8%
CMY	0.6745, 0.5569, 0.9215
CMYK	0.27, 0.00, 0.82, 0.56
HSL	79°, 70%, 26%
HSV	79°, 82%, 44%
XYZ	9.5995, 13.6998, 2.8005
YIQ	93.4280, 11.9730, -35.2830

Conversions

Conversions Part 2

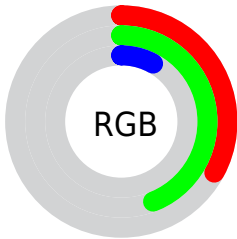
Format	Color
R_{YB}	20, 113, 50
Decimal	5468436
CIE _{Lab}	43.80, -24.91, 44.07
CIE _{LCh}	44, 50.617, 119.476
Yxy	13.6998, 0.3678, 0.5249
Android (android.graphics.Color)	4283658516 (0xFF537114)
YUV	93.4280, -36.2000, -9.1454
Hunter-Lab	37.0132, -18.4786, 21.4232

Details

The Yxy color **13.6998, 0.3678, 0.5249** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **2.3711, 0.1998, 0.1042**, and the grayscale version is **11.1373, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.6124, 0.3617, 0.4760**, and **4.1207, 0.3478, 0.5620** is the 20% darker color. If you saturate the color by 10%, you get **13.5075, 0.3670, 0.5384**, and if you desaturate by 10%, it is **13.9206, 0.3663, 0.5071**.

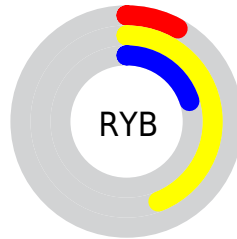
Distribution



 Red (33%)

 Green (44%)

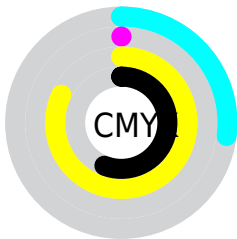
 Blue (8%)



 Red (8%)

 Yellow (44%)

 Blue (20%)

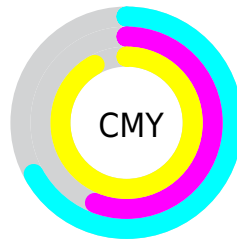


 Cyan (27%)

 Magenta (0%)

 Yellow (82%)

 Black (56%)



 Cyan (67%)

 Magenta (56%)

 Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 13.6998, 0.3678, 0.5249 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 13.6998, 0.3678, 0.5249 by changing the saturation by 10% instead.

13.6998, 0.3678,
0.5249

13.6998, 0.3678,
0.5249

215.3552, 0.3425,
0.4055

7.9122, 0.3684,
0.5611

32.5554, 0.3611,
0.4761

4.0388, 0.3725,
0.6275

46.3922, 0.3576,
0.4593

1.6953, 0.3324,
0.6676

63.6808, 0.3543,
0.4458

0.4206, 0.0000,
1.0000


84.8056, 0.3514,
0.4348


0.0000, 0.0000,
0.0000


110.1511, 0.3488,
0.4256


140.1016, 0.3465,


0.4179


 175.0415, 0.3444,
0.4113


 13.6998, 0.3678,
0.5249


 13.6998, 0.3678,
0.5249

 13.5075, 0.3670,
0.5384


 13.9206, 0.3663,
0.5071

 13.3698, 0.3658,
0.5477

 14.1706, 0.3626,
0.4857

 14.4526, 0.3570,
0.4616

 14.7683, 0.3500,
0.4358

 15.1194, 0.3418,
0.4095

■ 15.5076, 0.3330,
0.3834

■ 15.9342, 0.3239,
0.3581

■ 16.4007, 0.3148,
0.3343

■ 16.9083, 0.3059,
0.3120

Harmonies

Analogous

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



13.6998, 0.4552, 0.4764



13.6998, 0.3678, 0.5249



13.6998, 0.2718, 0.4986

Triad

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



13.6998, 0.3678, 0.5249



13.6998, 0.1436, 0.2070



13.6998, 0.4362, 0.2680

Complementary

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



13.6998, 0.3678, 0.5249



2.3711, 0.1998, 0.1042

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.



13.6998, 0.3272, 0.2154



13.6998, 0.3678, 0.5249



13.6998, 0.1702, 0.1801

Square

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



13.6998, 0.3678, 0.5249



13.6998, 0.1494, 0.2758



13.6998, 0.2313, 0.1845



13.6998, 0.5085, 0.3332

Rectangle

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



13.6998, 0.3678, 0.5249



13.6998, 0.2152, 0.4309



13.6998, 0.2313, 0.1845



13.6998, 0.4012, 0.2486

Sweetspot

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



13.7004, 0.3678, 0.5249



27.5267, 0.3360, 0.3921



5.7964, 0.5296, 0.3812



6.3228, 0.3384, 0.3991



58.7016, 0.3127, 0.3290



6.8385, 0.3127, 0.3290

Same Dimension

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



13.7004, 0.3678, 0.5249



23.8999, 0.3647, 0.5478



12.2553, 0.3129, 0.5642



3.8649, 0.3209, 0.3501



15.1550, 0.3655, 0.5480



75.0147, 0.3626, 0.5503

Inverse Universe

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



2.3711, 0.1998, 0.1042



2.8126, 0.1757, 0.0748



4.1772, 0.2851, 0.1480



3.3479, 0.3041, 0.3076



1.7770, 0.1765, 0.0746



8.4325, 0.1715, 0.0718

Previews

White Background



This preview shows how the Yxy color 13.6998, 0.3678, 0.5249 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 13.6998, 0.3678, 0.5249 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

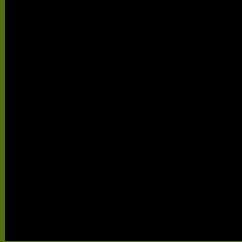
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.6998, 0.3678, 0.5249

Background



This preview shows how black text looks on a background with the Yxy color 13.6998, 0.3678, 0.5249.



This preview shows how white text looks on a background with the Yxy color 13.6998, 0.3678, 0.5249.

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

13.6998, 0.3678, 0.5249

Protanopia

13.6541, 0.4311, 0.4803

Deuteranopia

13.5650, 0.4543, 0.4471



Tritanopia

13.6452, 0.2855, 0.3092

Trichromacy



Original Color

13.6998, 0.3678, 0.5249

Protanomaly

13.5021, 0.4076, 0.4969

Deuteranomaly

13.2814, 0.4231, 0.4747

Tritanomaly

13.4282, 0.3218, 0.3954

Monochromacy



Original Color

13.6998, 0.3678, 0.5249

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

11.6315, 0.3428, 0.4127

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.6998, 0.3678, 0.5249 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(83, 113, 20)` looks like.

```
.text, #text, p{  
    color:rgb(83, 113, 20)  
}
```

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(83, 113, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 113, 20) }
```

Border

The CSS property to change the border of an element to Yxy 13.6998, 0.3678, 0.5249 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(83, 113, 20) }
```

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

```
.border{ border-color:rgb(83, 113, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 113, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 113, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 113, 20);  
box-shadow:4px 4px 4px 4px rgb(83, 113,  
20) }
```


Background

The CSS property to change the background color of an element to Yxy 13.6998, 0.3678, 0.5249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 113, 20) }
```

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

```
.background{ background-color: rgb(83, 113,  
20) }
```

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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