

Converting Colors

$Y_{xy}(12.1139, 0.4143, 0.4565)$

Have a look what the booklet for
Yxy(12.1139, 0.4143, 0.4565)
contains.

Yxy(12.1139, 0.4143, 0.4565)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(12.1139, 0.4143, 0.4565)

Conversions

Conversions Part 1

Format	Color
Hex	6D6224
RGB	109, 98, 36
RGB Percent	43%, 38%, 14%
CMY	0.5725, 0.6157, 0.8588
CMYK	0.00, 0.10, 0.67, 0.57
HSL	51°, 50%, 28%
HSV	51°, 67%, 43%
XYZ	10.9941, 12.1139, 3.4285
YIQ	94.2210, 26.4580, -16.9500

Conversions

Conversions Part 2

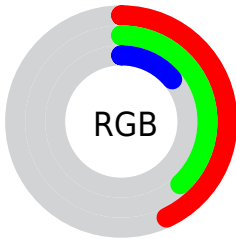
Format	Color
R _Y B	49, 109, 36
Decimal	7168548
CIE Lab	41.40, -3.78, 35.80
CIE LCh	41, 36.003, 96.028
Yxy	12.1139, 0.4143, 0.4565
Android (android.graphics.Color)	4285358628 (0xFF6D6224)
YUV	94.2210, -28.7030, 12.9612
Hunter-Lab	34.8050, -4.5250, 18.5231

Details

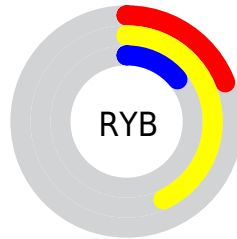
The Yxy color **12.1139, 0.4143, 0.4565** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **3.5147, 0.1965, 0.1533**, and the grayscale version is **11.3139, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.6064, 0.3924, 0.4256**, and **3.3858, 0.4387, 0.4899** is the 20% darker color. If you saturate the color by 10%, you get **11.7530, 0.4266, 0.4686**, and if you desaturate by 10%, it is **12.5025, 0.4002, 0.4412**.

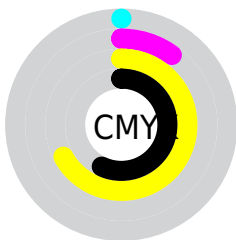
Distribution



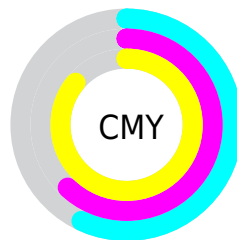
- Red (43%)
- Green (38%)
- Blue (14%)



- Red (19%)
- Yellow (43%)
- Blue (14%)



- Cyan (0%)
- Magenta (10%)
- Yellow (67%)
- Black (57%)





- Cyan (57%)
- Magenta (62%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.1139, 0.4143, 0.4565 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 12.1139, 0.4143, 0.4565 by changing the saturation by 10% instead.


 12.1139, 0.4143,
0.4565


 12.1139, 0.4143,
0.4565


205.1579, 0.3558,
0.3811


 6.8213, 0.4296,
0.4781


 29.7024, 0.3917,
0.4264


 3.3506, 0.4640,
0.5242

 42.7670, 0.3835,
0.4159


 1.3174, 0.4630,
0.5370

 59.1912, 0.3767,
0.4073

 0.1546, 0.2612,
0.7388

 79.3592, 0.3711,
0.4002

 0.0000, 0.0000,
0.0000

 103.6555, 0.3664,
0.3942

 132.4644, 0.3623,

0.3892

166.1704, 0.3588,
0.3849

12.1139, 0.4143,
0.4565

12.1139, 0.4143,
0.4565

11.7530, 0.4266,
0.4686

12.5025, 0.4002,
0.4412

11.4163, 0.4366,
0.4767

12.9189, 0.3850,
0.4233

11.0992, 0.4447,
0.4817

13.3652, 0.3691,
0.4038

11.0046, 0.4472,
0.4832

13.8428, 0.3531,
0.3834

14.3529, 0.3375,
0.3628

■ 14.8969, 0.3226,
0.3426

■ 15.4758, 0.3086,
0.3232

■ 16.0906, 0.2955,
0.3048

■ 16.7426, 0.2835,
0.2876

Harmonies

Analogous

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



12.1139, 0.4603, 0.4076



12.1139, 0.4143, 0.4565



12.1139, 0.3445, 0.4741

Triad

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



12.1139, 0.4143, 0.4565



12.1139, 0.1813, 0.2777



12.1139, 0.3431, 0.2482

Complementary

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



12.1139, 0.4143, 0.4565



3.5147, 0.1965, 0.1533

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.



12.1139, 0.2657, 0.2185



12.1139, 0.4143, 0.4565



12.1139, 0.1813, 0.2290

Square

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



12.1139, 0.4143, 0.4565



12.1139, 0.2114, 0.3555



12.1139, 0.2097, 0.2108



12.1139, 0.4200, 0.2946

Rectangle

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



12.1139, 0.4143, 0.4565



12.1139, 0.2942, 0.4552



12.1139, 0.2097, 0.2108



12.1139, 0.3159, 0.2361

Sweetspot

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



12.1145, 0.4143, 0.4565



25.3603, 0.3431, 0.3702



4.7293, 0.4811, 0.3043



5.8571, 0.3463, 0.3745



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.



12.1145, 0.4143, 0.4565



20.7187, 0.4321, 0.4734



12.9837, 0.3633, 0.4962



3.5096, 0.3255, 0.3466



12.8409, 0.4474, 0.4830



64.4223, 0.4493, 0.4815

Inverse Universe

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



3.5147, 0.1965, 0.1533



4.1701, 0.1734, 0.1129



3.3382, 0.2250, 0.1423



3.0921, 0.2997, 0.3108



1.7143, 0.1548, 0.0771



7.8995, 0.1530, 0.0706

Previews

White Background



This preview shows how the Yxy color 12.1139, 0.4143, 0.4565 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 12.1139, 0.4143, 0.4565 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

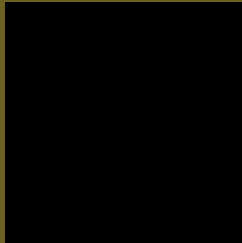
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.1139, 0.4143, 0.4565

Background



This preview shows how black text looks on a background with the Yxy color 12.1139, 0.4143, 0.4565.



This preview shows how white text looks on a background with the Yxy color 12.1139, 0.4143, 0.4565.

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

12.1139, 0.4143, 0.4565

Protanopia

12.1139, 0.4143, 0.4565

Deuteranopia

12.1062, 0.4402, 0.4336



Tritanopia

12.1326, 0.3372, 0.3142

Trichromacy



Original Color

12.1139, 0.4143, 0.4565

Protanomaly

12.1139, 0.4143, 0.4565

Deuteranomaly

12.0999, 0.4304, 0.4428

Tritanomaly

11.9720, 0.3692, 0.3686

Monochromacy



Original Color

12.1139, 0.4143, 0.4565

Achromatopsia

11.1932, 0.3127, 0.3290

Achromatomaly

11.3181, 0.3516, 0.3811

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.1139, 0.4143, 0.4565 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(109, 98, 36)` looks like.

```
.text, #text, p{  
    color:rgb(109, 98, 36)  
}
```

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(109, 98, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 98, 36) }
```

Border

The CSS property to change the border of an element to Yxy 12.1139, 0.4143, 0.4565 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(109, 98, 36) }
```

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

```
.border{ border-color:rgb(109, 98, 36) }
```

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

Here you see how a box with a 4 pixel rgb(109, 98, 36) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 98, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 98, 36);  
box-shadow:4px 4px 4px 4px rgb(109, 98,  
36) }
```


Background

The CSS property to change the background color of an element to Yxy 12.1139, 0.4143, 0.4565 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 98, 36) }
```

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

```
.background{ background-color: rgb(109, 98,  
36) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor