

Converting Colors

$Y_{xy}(22.7932, 0.3770, 0.5364)$

Have a look what the booklet for
Yxy(22.7932, 0.3770, 0.5364)
contains.

Yxy(22.8418, 0.3767, 0.5368)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(22.8418, 0.3767, 0.5368)

Conversions

Conversions Part 1

Format	Color
Hex	6C8F04
RGB	108, 143, 4
RGB Percent	42%, 56%, 2%
CMY	0.5765, 0.4392, 0.9840
CMYK	0.24, 0.00, 0.97, 0.44
HSL	75°, 94%, 29%
HSV	75°, 97%, 56%
XYZ	16.0293, 22.8418, 3.6807
YIQ	116.6890, 23.7590, -50.6490

Conversions

Conversions Part 2

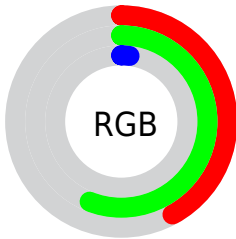
Format	Color
R_{YB}	4, 143, 39
Decimal	7114500
CIE Lab	54.91, -29.40, 57.59
CIE LCh	55, 64.658, 117.042
Yxy	22.8418, 0.3767, 0.5368
Android (android.graphics.Color)	4285304580 (0xFF6C8F04)
YUV	116.6890, -55.5557, -7.6203
Hunter-Lab	47.7931, -23.7711, 28.8890

Details

The Yxy color **22.8418, 0.3767, 0.5368** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **2.5044, 0.1693, 0.0726**, and the grayscale version is **17.8607, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.1740, 0.3705, 0.4929**, and **8.4665, 0.3550, 0.5563** is the 20% darker color. If you saturate the color by 10%, you get **22.7699, 0.3763, 0.5394**, and if you desaturate by 10%, it is **23.1094, 0.3778, 0.5270**.

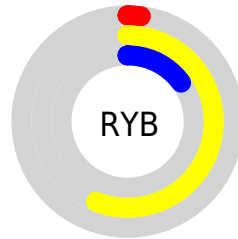
Distribution



Red (42%)

Green (56%)

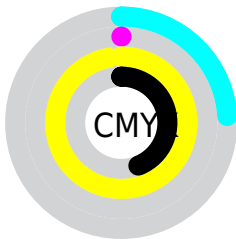
Blue (2%)



Red (2%)

Yellow (56%)

Blue (15%)

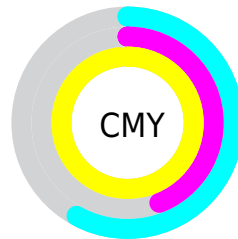


Cyan (24%)

Magenta (0%)

Yellow (97%)

Black (44%)



Cyan (58%)


Magenta (44%)

Yellow (98%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.8418, 0.3767, 0.5368 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 22.8418, 0.3767, 0.5368 by changing the saturation by 10% instead.


 22.8418, 0.3767,
0.5368


 22.8418, 0.3767,
0.5368


266.9114, 0.3512,
0.4208


 14.4767, 0.3769,
0.5663


 48.1334, 0.3709,
0.4931


 8.4530, 0.3767,
0.6102

 65.8288, 0.3675,
0.4770

 4.3861, 0.3548,
0.6452

 87.4030, 0.3642,
0.4635

 1.8918, 0.3103,
0.6897

 113.2406, 0.3611,
0.4522


 0.5435, 0.0000,
1.0000

 143.7258, 0.3583,
0.4426

 0.0000, 0.0000,
0.0000


 179.2431, 0.3557,


0.4343


 220.1768, 0.3534,
0.4271


 22.8418, 0.3767,
0.5368


 22.8418, 0.3767,
0.5368


 22.7699, 0.3763,
0.5394

 23.1094, 0.3778,
0.5270

 23.4125, 0.3767,
0.5131

 23.7591, 0.3732,
0.4949

 24.1533, 0.3675,
0.4732

 24.5983, 0.3599,
0.4490

■ 25.0973, 0.3509,
0.4232

■ 25.6531, 0.3410,
0.3970

■ 26.2683, 0.3306,
0.3710

■ 26.9453, 0.3201,
0.3460

Harmonies

Analogous

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



22.8418, 0.4684, 0.4770



22.8418, 0.3767, 0.5368



22.8418, 0.2751, 0.5202

Triad

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



22.8418, 0.3767, 0.5368



22.8418, 0.1334, 0.2026



22.8418, 0.4365, 0.2584

Complementary

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



22.8418, 0.3767, 0.5368



2.5044, 0.1693, 0.0726

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.



22.8418, 0.3182, 0.2051



22.8418, 0.3767, 0.5368



22.8418, 0.1584, 0.1723

Square

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



22.8418, 0.3767, 0.5368



22.8418, 0.1417, 0.2788



22.8418, 0.2189, 0.1749



22.8418, 0.5192, 0.3255

Rectangle

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



22.8418, 0.3767, 0.5368



22.8418, 0.2141, 0.4502



22.8418, 0.2189, 0.1749



22.8418, 0.3979, 0.2386

Sweetspot

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



22.8428, 0.3767, 0.5368



45.6846, 0.3435, 0.4034



7.2871, 0.5962, 0.3600



10.3882, 0.3474, 0.4135



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



22.8428, 0.3767, 0.5368



40.6919, 0.3754, 0.5401



20.0821, 0.3122, 0.5874



6.2180, 0.3222, 0.3510



20.1425, 0.3765, 0.5393



0.2030, 0.3979, 0.5223

Inverse Universe

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



2.5044, 0.1693, 0.0726



4.1534, 0.1647, 0.0681



5.2768, 0.2615, 0.1230



5.3166, 0.3026, 0.3065



2.0944, 0.1668, 0.0692



0.0292, 0.2083, 0.0921

Previews

White Background



This preview shows how the Yxy color 22.8418, 0.3767, 0.5368 looks on a white 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

Black Background



This preview shows how the Yxy color 22.8418, 0.3767, 0.5368 looks on a black 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

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

Yxy 22.8418, 0.3767, 0.5368

Background



This preview shows how black text looks on a background with the Yxy color 22.8418, 0.3767, 0.5368.



This preview shows how white text looks on a background with the Yxy color 22.8418, 0.3767, 0.5368.

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

22.8418, 0.3767, 0.5368

Protanopia

22.5285, 0.4406, 0.4883

Deuteranopia

22.4938, 0.4623, 0.4536



Tritanopia

22.8232, 0.2895, 0.3113

Trichromacy



Original Color

22.8418, 0.3767, 0.5368

Protanomaly

22.3167, 0.4166, 0.5069

Deuteranomaly

22.2089, 0.4308, 0.4848

Tritanomaly

22.3770, 0.3351, 0.4148

Monochromacy



Original Color

22.8418, 0.3767, 0.5368

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

19.0209, 0.3537, 0.4283

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.8418, 0.3767, 0.5368 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(108, 143, 4)` looks like.

```
.text, #text, p{  
    color:rgb(108, 143, 4)  
}
```

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(108, 143, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 143, 4) }
```

Border

The CSS property to change the border of an element to Yxy 22.8418, 0.3767, 0.5368 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(108, 143, 4) }
```

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

```
.border{ border-color:rgb(108, 143, 4) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 143, 4)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 143, 4); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 143, 4);  
box-shadow:4px 4px 4px 4px rgb(108, 143,  
4) }
```


Background

The CSS property to change the background color of an element to Yxy 22.8418, 0.3767, 0.5368 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 143, 4) }
```

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

```
.background{ background-color: rgb(108,  
143, 4) }
```

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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