

Converting Colors

$Y_{xy}(23.3193, 0.4083, 0.5030)$

Have a look what the booklet for
Yxy(23.3193, 0.4083, 0.5030)
contains.

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Color

$Y_{xy}(23.2105, 0.4087, 0.5025)$

Conversions

Conversions Part 1

Format	Color
Hex	858A13
RGB	133, 138, 19
RGB Percent	52%, 54%, 7%
CMY	0.4785, 0.4588, 0.9254
CMYK	0.04, 0.00, 0.86, 0.46
HSL	63°, 76%, 31%
HSV	63°, 86%, 54%
XYZ	18.8779, 23.2105, 4.1017
YIQ	122.9390, 35.2190, -38.0690

Conversions

Conversions Part 2

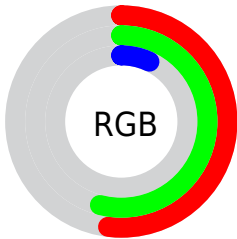
Format	Color
RYB	19, 138, 24
Decimal	8751635
CIELab	55.29, -15.55, 55.87
CIELCh	55, 57.991, 105.556
Yxy	23.2105, 0.4087, 0.5025
Android (android.graphics.Color)	4286941715 (0xFF858A13)
YUV	122.9390, -51.2419, 8.8235
Hunter-Lab	48.1773, -14.3665, 28.6763

Details

The Yxy color **23.2105, 0.4087, 0.5025** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **2.4961, 0.1627, 0.0781**, and the grayscale version is **19.9504, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.6162, 0.3945, 0.4683**, and **8.6849, 0.4046, 0.5169** is the 20% darker color. If you saturate the color by 10%, you get **23.1287, 0.4113, 0.5088**, and if you desaturate by 10%, it is **23.3208, 0.4038, 0.4924**.

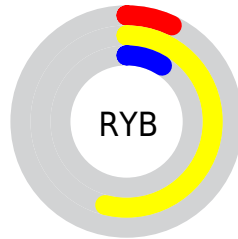
Distribution



Red (52%)

Green (54%)

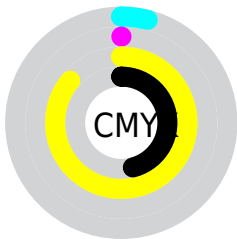
Blue (7%)



Red (7%)

Yellow (54%)

Blue (9%)

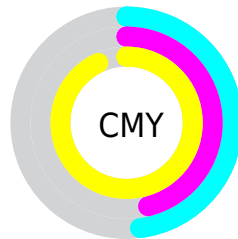


Cyan (4%)

Magenta (0%)

Yellow (86%)

Black (46%)



Cyan (48%)


Magenta (46%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.2105, 0.4087, 0.5025 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 23.2105, 0.4087, 0.5025 by changing the saturation by 10% instead.


 23.2105, 0.4087,
0.5025

 23.2105, 0.4087,
0.5025

268.8043, 0.3634,
0.4092


 14.7490, 0.4156,
0.5246


 48.7387, 0.3946,
0.4685


 8.6434, 0.4233,
0.5544


 66.5743, 0.3884,
0.4556


 4.5093, 0.4194,
0.5806

 88.3033, 0.3829,
0.4447

 1.9624, 0.3969,
0.6031

 114.3102, 0.3780,
0.4354

 0.5855, 0.2320,
0.7680


 144.9793, 0.3737,
0.4274


 0.0000, 0.0000,
0.0000


 180.6951, 0.3699,

0.4205


 221.8420, 0.3665,
0.4145


 23.2105, 0.4087,
0.5025


 23.2105, 0.4087,
0.5025


 23.1287, 0.4113,
0.5088


 23.3208, 0.4038,
0.4924

 23.0995, 0.4122,
0.5109

 23.4619, 0.3964,
0.4782

 23.6384, 0.3868,
0.4603

 23.8534, 0.3754,
0.4395

 24.1095, 0.3626,
0.4165

■ 24.4091, 0.3490,
0.3924

■ 24.7546, 0.3350,
0.3678

■ 25.1480, 0.3212,
0.3436

■ 25.5913, 0.3077,
0.3203

Harmonies

Analogous

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



23.2105, 0.4816, 0.4414



23.2105, 0.4087, 0.5025



23.2105, 0.3169, 0.5148

Triad

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



23.2105, 0.4087, 0.5025



23.2105, 0.1471, 0.2368



23.2105, 0.3842, 0.2443

Complementary

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



23.2105, 0.4087, 0.5025



2.4961, 0.1627, 0.0781

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.



23.2105, 0.2804, 0.2019



23.2105, 0.4087, 0.5025



23.2105, 0.1585, 0.1927

Square

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



23.2105, 0.4087, 0.5025



23.2105, 0.1692, 0.3250



23.2105, 0.2021, 0.1834



23.2105, 0.4762, 0.3035

Rectangle

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



23.2105, 0.4087, 0.5025



23.2105, 0.2562, 0.4745



23.2105, 0.2021, 0.1834



23.2105, 0.3485, 0.2279

Sweetspot

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



23.2116, 0.4087, 0.5025



43.0021, 0.3494, 0.3932



6.0630, 0.5998, 0.3335



9.6085, 0.3535, 0.4004



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



23.2116, 0.4087, 0.5025



40.6953, 0.4120, 0.5111



19.7034, 0.3395, 0.5541



5.8344, 0.3252, 0.3507



21.1786, 0.4122, 0.5109



0.1422, 0.4160, 0.5079

Inverse Universe

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



2.4961, 0.1627, 0.0781



3.2830, 0.1514, 0.0607



4.1168, 0.2263, 0.1117



4.9017, 0.2997, 0.3065



1.7185, 0.1519, 0.0611



0.0126, 0.1608, 0.0660

Previews

White Background



This preview shows how the Yxy color 23.2105, 0.4087, 0.5025 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 23.2105, 0.4087, 0.5025 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 23.2105, 0.4087, 0.5025

Background



This preview shows how black text looks on a background with the Yxy color 23.2105, 0.4087, 0.5025.



This preview shows how white text looks on a background with the Yxy color 23.2105, 0.4087, 0.5025.

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

23.2105, 0.4087, 0.5025

Protanopia

23.2051, 0.4351, 0.4835

Deuteranopia

23.2210, 0.4614, 0.4539



Tritanopia

23.0241, 0.3182, 0.3122

Trichromacy



Original Color

23.2105, 0.4087, 0.5025

Protanomaly

23.2113, 0.4249, 0.4907

Deuteranomaly

23.0040, 0.4433, 0.4705

Tritanomaly

22.8177, 0.3620, 0.3940

Monochromacy



Original Color

23.2105, 0.4087, 0.5025

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

20.6062, 0.3598, 0.4094

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.2105, 0.4087, 0.5025 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(133, 138, 19)` looks like.

```
.text, #text, p{  
    color:rgb(133, 138, 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(133, 138, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 138, 19) }
```

Border

The CSS property to change the border of an element to Yxy 23.2105, 0.4087, 0.5025 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(133, 138, 19) }
```

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

```
.border{ border-color:rgb(133, 138, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 138, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 138, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 138, 19);  
box-shadow:4px 4px 4px 4px rgb(133, 138,  
19) }
```


Background

The CSS property to change the background color of an element to Yxy 23.2105, 0.4087, 0.5025 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 138, 19) }
```

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

```
.background{ background-color: rgb(133,  
138, 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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