

Converting Colors

$Y_{xy}(23.2188, 0.4032, 0.5105)$

Have a look what the booklet for
Yxy(23.2188, 0.4032, 0.5105)
contains.

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Color

Yxy(23.1641, 0.4041, 0.5097)

Conversions

Conversions Part 1

Format	Color
Hex	818B0E
RGB	129, 139, 14
RGB Percent	51%, 55%, 5%
CMY	0.4941, 0.4549, 0.9452
CMYK	0.07, 0.00, 0.90, 0.45
HSL	65°, 82%, 30%
HSV	65°, 90%, 55%
XYZ	18.3649, 23.1641, 3.9175
YIQ	121.7600, 34.1650, -40.9950

Conversions

Conversions Part 2

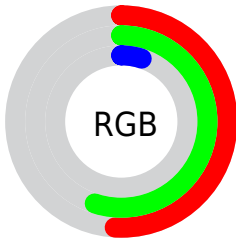
Format	Color
R_{YB}	14, 139, 24
Decimal	8489742
CIE _{Lab}	55.24, -18.01, 56.80
CIE _{LCh}	55, 59.591, 107.595
Y _{xy}	23.1641, 0.4041, 0.5097
Android (android.graphics.Color)	4286679822 (0xFF818B0E)
YUV	121.7600, -53.1257, 6.3495
Hunter-Lab	48.1291, -16.1145, 28.8644

Details

The Yxy color **23.1641, 0.4041, 0.5097** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **2.3716, 0.1614, 0.0737**, and the grayscale version is **19.5476, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.5080, 0.3918, 0.4740**, and **8.6813, 0.3956, 0.5241** is the 20% darker color. If you saturate the color by 10%, you get **23.0471, 0.4057, 0.5160**, and if you desaturate by 10%, it is **23.3044, 0.4007, 0.5004**.

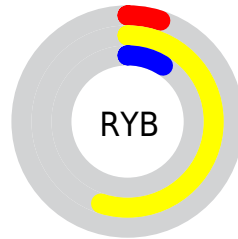
Distribution



Red (51%)

Green (55%)

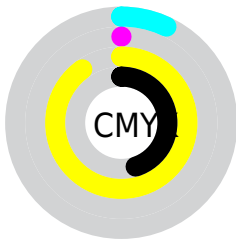
Blue (5%)



Red (5%)

Yellow (55%)

Blue (9%)

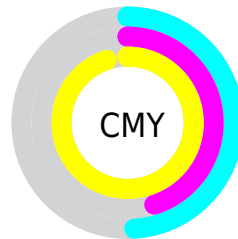


Cyan (7%)

Magenta (0%)

Yellow (90%)

Black (45%)



Cyan (49%)


Magenta (45%)


Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.1641, 0.4041, 0.5097 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 23.1641, 0.4041, 0.5097 by changing the saturation by 10% instead.


 23.1641, 0.4041,
0.5097


 23.1641, 0.4041,
0.5097


268.5667, 0.3620,
0.4120


 14.7147, 0.4098,
0.5330


 48.6626, 0.3914,
0.4740


 8.6194, 0.4164,
0.5655


 66.4806, 0.3857,
0.4604


 4.4938, 0.4082,
0.5918

 88.1902, 0.3805,
0.4490

 1.9534, 0.3819,
0.6181

 114.1758, 0.3759,
0.4394

 0.5802, 0.1615,
0.8385

 144.8219, 0.3718,
0.4310

 0.0000, 0.0000,
0.0000

 180.5128, 0.3681,

0.4238

221.6330, 0.3649,
0.4176

23.1641, 0.4041,
0.5097

23.1641, 0.4041,
0.5097

23.0471, 0.4057,
0.5160

23.3044, 0.4007,
0.5004

23.0464, 0.4057,
0.5161

23.4752, 0.3949,
0.4869

23.6815, 0.3868,
0.4696

23.9265, 0.3767,
0.4491

24.2130, 0.3650,
0.4262

■ 24.5435, 0.3523,
0.4020

■ 24.9206, 0.3390,
0.3772

■ 25.3463, 0.3257,
0.3526

■ 25.8227, 0.3126,
0.3289

Harmonies

Analogous

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



23.1641, 0.4811, 0.4478



23.1641, 0.4041, 0.5097



23.1641, 0.3098, 0.5183

Triad

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



23.1641, 0.4041, 0.5097



23.1641, 0.1434, 0.2298



23.1641, 0.3935, 0.2460

Complementary

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



23.1641, 0.4041, 0.5097



2.3716, 0.1614, 0.0737

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.



23.1641, 0.2860, 0.2014



23.1641, 0.4041, 0.5097



23.1641, 0.1572, 0.1879

Square

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



23.1641, 0.4041, 0.5097



23.1641, 0.1630, 0.3168



23.1641, 0.2038, 0.1807



23.1641, 0.4854, 0.3069

Rectangle

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



23.1641, 0.4041, 0.5097



23.1641, 0.2483, 0.4729



23.1641, 0.2038, 0.1807



23.1641, 0.3568, 0.2288

Sweetspot

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



23.1652, 0.4041, 0.5097



44.1019, 0.3492, 0.3961



6.1068, 0.6075, 0.3367



10.1183, 0.3531, 0.4035



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



23.1652, 0.4041, 0.5097



41.2359, 0.4054, 0.5163



19.7326, 0.3340, 0.5630



5.8250, 0.3246, 0.3507



20.8025, 0.4058, 0.5160



0.1410, 0.4129, 0.5103

Inverse Universe

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



2.3716, 0.1614, 0.0737



3.4356, 0.1526, 0.0614



4.1008, 0.2284, 0.1096



4.9101, 0.3002, 0.3065



1.7509, 0.1536, 0.0620



0.0138, 0.1702, 0.0711

Previews

White Background



This preview shows how the Yxy color 23.1641, 0.4041, 0.5097 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 23.1641, 0.4041, 0.5097 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

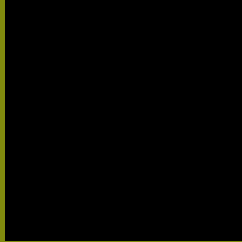
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.1641, 0.4041, 0.5097

Background



This preview shows how black text looks on a background with the Yxy color 23.1641, 0.4041, 0.5097.



This preview shows how white text looks on a background with the Yxy color 23.1641, 0.4041, 0.5097.

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

23.1641, 0.4041, 0.5097

Protanopia

23.1888, 0.4367, 0.4859

Deuteranopia

22.9573, 0.4637, 0.4538



Tritanopia

23.0536, 0.3135, 0.3121

Trichromacy



Original Color

23.1641, 0.4041, 0.5097

Protanomaly

23.1053, 0.4254, 0.4942

Deuteranomaly

22.7955, 0.4421, 0.4739

Tritanomaly

22.7341, 0.3577, 0.3986

Monochromacy



Original Color

23.1641, 0.4041, 0.5097

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

20.4229, 0.3594, 0.4138

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.1641, 0.4041, 0.5097 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(129, 139, 14)` looks like.

```
.text, #text, p{  
    color:rgb(129, 139, 14)  
}
```

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(129, 139, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 139, 14) }
```

Border

The CSS property to change the border of an element to Yxy 23.1641, 0.4041, 0.5097 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(129, 139, 14) }
```

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

```
.border{ border-color:rgb(129, 139, 14) }
```

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

Here you see how a box with a 4 pixel rgb(129, 139, 14) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 139, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 139, 14);  
box-shadow:4px 4px 4px 4px rgb(129, 139,  
14) }
```


Background

The CSS property to change the background color of an element to Yxy 23.1641, 0.4041, 0.5097 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 139, 14) }
```

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

```
.background{ background-color: rgb(129,  
139, 14) }
```

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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