

Converting Colors

$Y_{xy}(11.9478, 0.3795, 0.4454)$

Have a look what the booklet for
Yxy(11.9478, 0.3795, 0.4454)
contains.

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Color

Yxy(11.9328, 0.3793, 0.4460)

Conversions

Conversions Part 1

Format	Color
Hex	626431
RGB	98, 100, 49
RGB Percent	38%, 39%, 19%
CMY	0.6157, 0.6078, 0.8078
CMYK	0.02, 0.00, 0.51, 0.61
HSL	62°, 34%, 29%
HSV	62°, 51%, 39%
XYZ	10.1482, 11.9328, 4.6741
YIQ	93.5880, 15.1790, -16.2850

Conversions

Conversions Part 2

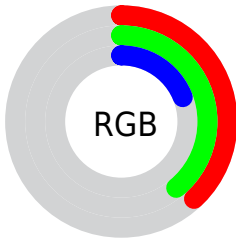
Format	Color
R_{YB}	49, 100, 51
Decimal	6448177
CIE _{Lab}	41.11, -8.96, 28.44
CIE _{LCh}	41, 29.812, 107.484
Yxy	11.9328, 0.3793, 0.4460
Android (android.graphics.Color)	4284638257 (0xFF626431)
YUV	93.5880, -21.9819, 3.8693
Hunter-Lab	34.5439, -8.0124, 16.1582

Details

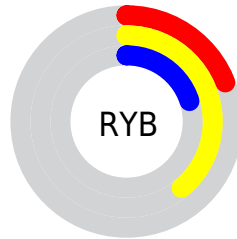
The Yxy color **11.9328, 0.3793, 0.4460** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **3.8210, 0.2255, 0.1808**, and the grayscale version is **11.1414, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.4803, 0.3638, 0.4157**, and **3.3208, 0.4054, 0.5089** is the 20% darker color. If you saturate the color by 10%, you get **11.8362, 0.3899, 0.4653**, and if you desaturate by 10%, it is **12.0493, 0.3673, 0.4244**.

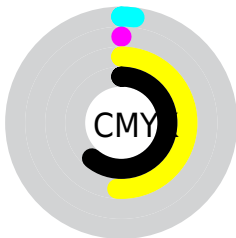
Distribution



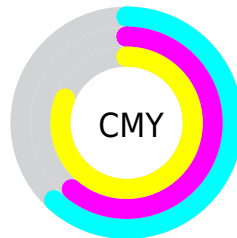
- Red (38%)
- Green (39%)
- Blue (19%)



- Red (19%)
- Yellow (39%)
- Blue (20%)



- Cyan (2%)
- Magenta (0%)
- Yellow (51%)
- Black (61%)




- Cyan (62%)
- Magenta (61%)
- Yellow (81%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 11.9328, 0.3793, 0.4460 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 11.9328, 0.3793, 0.4460 by changing the saturation by 10% instead.


 11.9328, 0.3793,
0.4460


 11.9328, 0.3793,
0.4460


 203.9599, 0.3407,
0.3741


 6.6979, 0.3899,
0.4697


 29.3727, 0.3642,
0.4159


 3.2739, 0.4060,
0.5077

 42.3464, 0.3588,
0.4058


 1.2764, 0.4280,
0.5720

 58.6686, 0.3544,
0.3978

 0.1228, 0.0000,
1.0000

 78.7237, 0.3507,
0.3913

 0.0000, 0.0000,
0.0000

 102.8959, 0.3476,
0.3859

 131.5698, 0.3450,

0.3814

165.1296, 0.3427,
0.3775

■ 11.9328, 0.3793,
0.4460

■ 11.9328, 0.3793,
0.4460

■ 11.8362, 0.3899,
0.4653

■ 12.0493, 0.3673,
0.4244

■ 11.7567, 0.3987,
0.4817

■ 12.1853, 0.3543,
0.4014

■ 11.6934, 0.4054,
0.4945

■ 12.3423, 0.3408,
0.3778

■ 11.6445, 0.4097,
0.5035

■ 12.5214, 0.3273,
0.3542

■ 11.6055, 0.4129,
0.5104

■ 12.7234, 0.3140,
0.3312

■ 12.9492, 0.3013,
0.3093

■ 13.1996, 0.2892,
0.2886

■ 13.4754, 0.2780,
0.2694

■ 13.7774, 0.2676,
0.2517

Harmonies

Analogous

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



11.9328, 0.4266, 0.4153



11.9328, 0.3793, 0.4460



11.9328, 0.3169, 0.4413

Triad

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



11.9328, 0.3793, 0.4460



11.9328, 0.1973, 0.2682



11.9328, 0.3645, 0.2742

Complementary

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



11.9328, 0.3793, 0.4460



3.8210, 0.2255, 0.1808

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.



11.9328, 0.2973, 0.2420



11.9328, 0.3793, 0.4460



11.9328, 0.2067, 0.2355

Square

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



11.9328, 0.3793, 0.4460



11.9328, 0.2141, 0.3256



11.9328, 0.2411, 0.2279



11.9328, 0.4205, 0.3187

Rectangle

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



11.9328, 0.3793, 0.4460



11.9328, 0.2753, 0.4135



11.9328, 0.2411, 0.2279



11.9328, 0.3420, 0.2618

Sweetspot

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



11.9333, 0.3793, 0.4460



21.8054, 0.3333, 0.3646



5.2730, 0.4416, 0.3335



5.3537, 0.3353, 0.3682



53.8236, 0.3127, 0.3290



5.4972, 0.3127, 0.3290

Same Dimension

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



11.9333, 0.3793, 0.4460



20.7215, 0.3916, 0.4685



10.7457, 0.3388, 0.4640



3.2627, 0.3245, 0.3494



15.5344, 0.4128, 0.5105



80.9280, 0.4124, 0.5108

Inverse Universe

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



3.8210, 0.2255, 0.1808



4.7362, 0.2026, 0.1429



4.6618, 0.2701, 0.1969



2.7684, 0.3004, 0.3078



1.2612, 0.1521, 0.0612



6.4874, 0.1509, 0.0605

Previews

White Background



This preview shows how the Yxy color 11.9328, 0.3793, 0.4460 looks on a white background.

Color Contrast Check

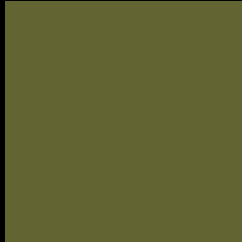
Large Text (above 18pt) WCAG AA ✓ Pass

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 11.9328, 0.3793, 0.4460 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

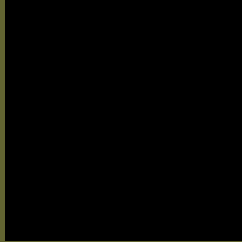
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.9328, 0.3793, 0.4460

Background



This preview shows how black text looks on a background with the Yxy color 11.9328, 0.3793, 0.4460.



This preview shows how white text looks on a background with the Yxy color 11.9328, 0.3793, 0.4460.

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

11.9328, 0.3793, 0.4460

Protanopia

11.8886, 0.3985, 0.4358

Deuteranopia

11.8152, 0.4203, 0.4127



Tritanopia

11.9078, 0.3166, 0.3113

Trichromacy



Original Color

11.9328, 0.3793, 0.4460

Protanomaly

11.8918, 0.3925, 0.4399

Deuteranomaly

11.7942, 0.4049, 0.4255

Tritanomaly

11.8151, 0.3410, 0.3590

Monochromacy



Original Color

11.9328, 0.3793, 0.4460

Achromatopsia

11.1932, 0.3127, 0.3290

Achromatomaly

11.3487, 0.3372, 0.3723

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.9328, 0.3793, 0.4460 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(98, 100, 49) looks like.

```
.text, #text, p{  
    color:rgb(98, 100, 49)  
}
```

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(98, 100, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 100, 49) }
```

Border

The CSS property to change the border of an element to Yxy 11.9328, 0.3793, 0.4460 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(98, 100, 49) }
```

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

```
.border{ border-color:rgb(98, 100, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 100, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 100, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 100, 49);  
box-shadow:4px 4px 4px 4px rgb(98, 100,  
49) }
```


Background

The CSS property to change the background color of an element to Yxy 11.9328, 0.3793, 0.4460 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 100, 49) }
```

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

```
.background{ background-color: rgb(98, 100,  
49) }
```

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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