

Converting Colors

$Y_{xy}(10.3459, 0.4435, 0.4769)$

Have a look what the booklet for
Yxy(10.3459, 0.4435, 0.4769)
contains.

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Color

Yxy(10.3940, 0.4431, 0.4775)

Conversions

Conversions Part 1

Format	Color
Hex	6A5A08
RGB	106, 90, 8
RGB Percent	42%, 35%, 3%
CMY	0.5843, 0.6471, 0.9685
CMYK	0.00, 0.15, 0.92, 0.58
HSL	50°, 86%, 22%
HSV	50°, 92%, 42%
XYZ	9.6452, 10.3940, 1.7283
YIQ	85.4360, 35.8580, -22.1100

Conversions

Conversions Part 2

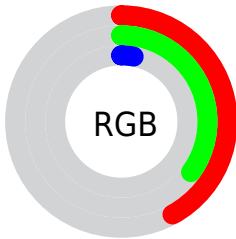
Format	Color
R _Y B	27, 106, 8
Decimal	6969864
CIE Lab	38.54, -1.87, 43.77
CIE LCh	39, 43.812, 92.447
Yxy	10.3940, 0.4431, 0.4775
Android (android.graphics.Color)	4285159944 (0xFF6A5A08)
YUV	85.4360, -38.1759, 18.0346
Hunter-Lab	32.2397, -3.0175, 19.3893

Details

The Yxy color **10.3940, 0.4431, 0.4775** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **1.7479, 0.1630, 0.0940**, and the grayscale version is **9.2582, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.5667, 0.4153, 0.4463**, and **2.6890, 0.4498, 0.4811** is the 20% darker color. If you saturate the color by 10%, you get **10.1574, 0.4496, 0.4812**, and if you desaturate by 10%, it is **10.7184, 0.4339, 0.4715**.

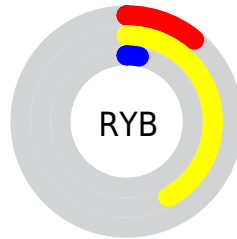
Distribution



Red (42%)

Green (35%)

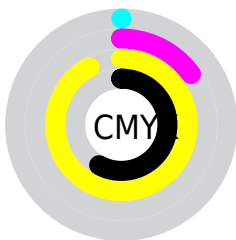
Blue (3%)



Red (11%)

Yellow (42%)

Blue (3%)

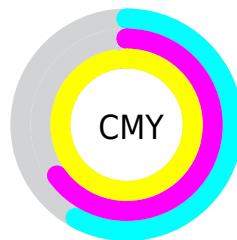


Cyan (0%)

Magenta (15%)

Yellow (92%)

Black (58%)



Cyan (58%)


Magenta (65%)

Yellow (97%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 10.3940, 0.4431, 0.4775 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 10.3940, 0.4431, 0.4775 by changing the saturation by 10% instead.

 10.3940, 0.4431,
0.4775


 10.3940, 0.4431,
0.4775


 193.4615, 0.3691,
0.3919


 5.6610, 0.4638,
0.5025

 26.5340, 0.4158,
0.4452


 2.6400, 0.4778,
0.5222

 38.7097, 0.4053,
0.4331

 0.9468, 0.4739,
0.5261

 54.1351, 0.3966,
0.4231

 0.0000, 0.0000,
0.0000


 73.1947, 0.3893,
0.4147


 96.2727, 0.3831,
0.4076


 123.7535, 0.3777,


0.4016


 156.0217, 0.3731,
0.3964


 10.3940, 0.4431,
0.4775


 10.3940, 0.4431,
0.4775


 10.1574, 0.4496,
0.4812

 10.7184, 0.4339,
0.4715

 11.0651, 0.4224,
0.4616

 11.4369, 0.4089,
0.4481

 11.8353, 0.3939,
0.4317

 12.2621, 0.3780,
0.4132

■ 12.7184, 0.3619,
0.3935

■ 13.2057, 0.3460,
0.3732

■ 13.7251, 0.3306,
0.3531

■ 14.2776, 0.3161,
0.3336

Harmonies

Analogous

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



10.3940, 0.4996, 0.4101



10.3940, 0.4431, 0.4775



10.3940, 0.3579, 0.5165

Triad

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



10.3940, 0.4431, 0.4775



10.3940, 0.1539, 0.2706



10.3940, 0.3372, 0.2243

Complementary

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



10.3940, 0.4431, 0.4775



1.7479, 0.1630, 0.0940

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.



10.3940, 0.2428, 0.1920



10.3940, 0.4431, 0.4775



10.3940, 0.1512, 0.2084

Square

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



10.3940, 0.4431, 0.4775



10.3940, 0.1921, 0.3749



10.3940, 0.1802, 0.1852



10.3940, 0.4393, 0.2769

Rectangle

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



10.3940, 0.4431, 0.4775



10.3940, 0.2959, 0.5030



10.3940, 0.1802, 0.1852



10.3940, 0.3031, 0.2109

Sweetspot

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



10.3945, 0.4431, 0.4775



22.6210, 0.3560, 0.3861



3.3068, 0.5794, 0.3089



5.2359, 0.3612, 0.3926



55.4222, 0.3127, 0.3290



5.9254, 0.3127, 0.3290

Same Dimension

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



10.3945, 0.4431, 0.4775



17.6830, 0.4506, 0.4804



11.7588, 0.3656, 0.5391



3.5035, 0.3255, 0.3463



12.5617, 0.4500, 0.4809



62.9365, 0.4521, 0.4793

Inverse Universe

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



1.7479, 0.1630, 0.0940



2.4197, 0.1547, 0.0770



1.6803, 0.1886, 0.0882



3.0978, 0.2997, 0.3111



1.7631, 0.1553, 0.0790



8.0989, 0.1534, 0.0722

Previews

White Background



This preview shows how the Yxy color 10.3940, 0.4431, 0.4775 looks on a white background.

Color Contrast Check

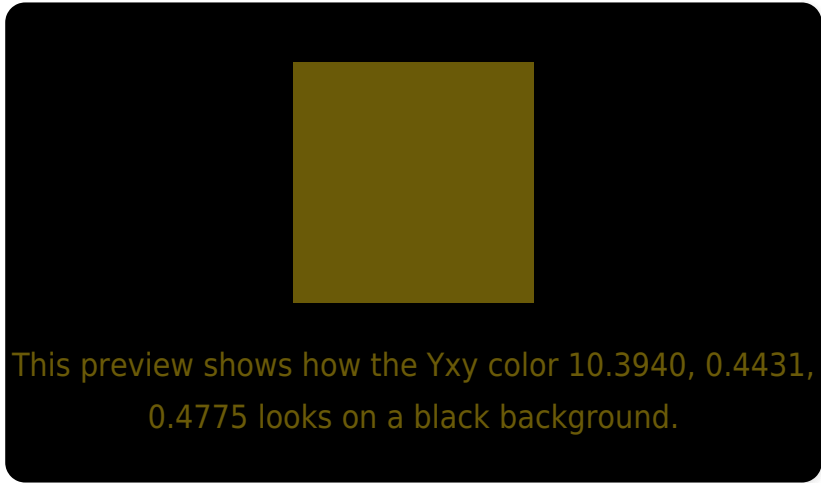
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

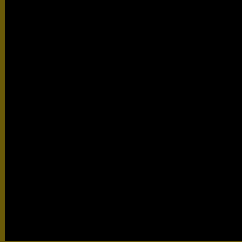
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.3940, 0.4431, 0.4775

Background



This preview shows how black text looks on a background with the Yxy color 10.3940, 0.4431, 0.4775.



This preview shows how white text looks on a background with the Yxy color 10.3940, 0.4431, 0.4775.

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

10.3940, 0.4431, 0.4775

Protanopia

10.3855, 0.4357, 0.4822

Deuteranopia

10.3270, 0.4634, 0.4573



Tritanopia

10.4583, 0.3495, 0.3159

Trichromacy



Original Color

10.3940, 0.4431, 0.4775

Protanomaly

10.4450, 0.4374, 0.4809

Deuteranomaly

10.2853, 0.4572, 0.4632

Tritanomaly

10.2330, 0.3961, 0.3879

Monochromacy



Original Color

10.3940, 0.4431, 0.4775

Achromatopsia

9.0842, 0.3127, 0.3290

Achromatomaly

9.4390, 0.3711, 0.4045

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.3940, 0.4431, 0.4775 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(106, 90, 8)` looks like.

```
.text, #text, p{  
    color:rgb(106, 90, 8)  
}
```

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(106, 90, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 90, 8) }
```

Border

The CSS property to change the border of an element to Yxy 10.3940, 0.4431, 0.4775 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(106, 90, 8) }
```

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

```
.border{ border-color:rgb(106, 90, 8) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 90, 8)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 90, 8); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 90, 8);  
box-shadow:4px 4px 4px 4px rgb(106, 90, 8)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.3940, 0.4431, 0.4775 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 90, 8) }
```

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

```
.background{ background-color: rgb(106, 90,  
8) }
```

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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