

Converting Colors

$Y_{xy}(10.7257, 0.4272, 0.4935)$

Have a look what the booklet for
Yxy(10.7257, 0.4272, 0.4935)
contains.

Yxy(10.7257, 0.4272, 0.4935)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(10.7257, 0.4272, 0.4935)

Conversions

Conversions Part 1

Format	Color
Hex	645E05
RGB	100, 94, 5
RGB Percent	39%, 37%, 2%
CMY	0.6079, 0.6313, 0.9805
CMYK	0.00, 0.06, 0.95, 0.61
HSL	56°, 91%, 21%
HSV	56°, 95%, 39%
XYZ	9.2847, 10.7257, 1.7235
YIQ	85.6480, 32.1450, -26.4070

Conversions

Conversions Part 2

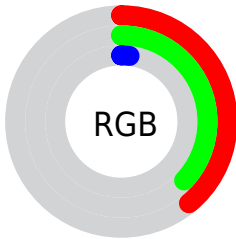
Format	Color
R_YB	11, 100, 5
Decimal	6577669
CIE Lab	39.11, -7.29, 44.81
CIE LCh	39, 45.397, 99.238
Yxy	10.7257, 0.4272, 0.4935
Android (android.graphics.Color)	4284767749 (0xFF645E05)
YUV	85.6480, -39.7595, 12.5867
Hunter-Lab	32.7501, -6.7075, 19.8049

Details

The Yxy color **10.7257, 0.4272, 0.4935** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **1.1903, 0.1568, 0.0752**, and the grayscale version is **9.3076, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.1428, 0.4053, 0.4562**, and **2.7669, 0.4223, 0.5029** is the 20% darker color. If you saturate the color by 10%, you get **10.6598, 0.4301, 0.4967**, and if you desaturate by 10%, it is **10.8622, 0.4213, 0.4868**.

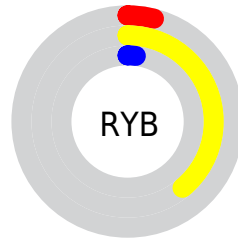
Distribution



Red (39%)

Green (37%)

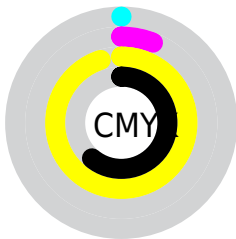
Blue (2%)



Red (4%)

Yellow (39%)

Blue (2%)

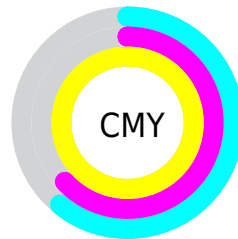


Cyan (0%)

Magenta (6%)

Yellow (95%)

Black (61%)



Cyan (61%)


Magenta (63%)

Yellow (98%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 10.7257, 0.4272, 0.4935 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 10.7257, 0.4272, 0.4935 by changing the saturation by 10% instead.


 10.7257, 0.4272,
0.4935


 10.7257, 0.4272,
0.4935


 195.7759, 0.3641,
0.3968


 5.8827, 0.4434,
0.5231


 27.1518, 0.4049,
0.4561


 2.7739, 0.4505,
0.5495


 39.5037, 0.3960,
0.4425

 1.0149, 0.4349,
0.5651

 55.1274, 0.3885,
0.4313

 0.0000, 0.0000,
0.0000

 74.4072, 0.3820,
0.4220

 97.7276, 0.3766,
0.4142


 125.4729, 0.3718,


0.4075

 158.0275, 0.3677,
0.4018


 10.7257, 0.4272,
0.4935


 10.7257, 0.4272,
0.4935


 10.6598, 0.4301,
0.4967

 10.8622, 0.4213,
0.4868

 11.0112, 0.4133,
0.4767

 11.1766, 0.4031,
0.4630

 11.3599, 0.3911,
0.4461

 11.5623, 0.3776,
0.4267

■ 11.7852, 0.3633,
0.4056

■ 12.0294, 0.3486,
0.3837

■ 12.2961, 0.3339,
0.3615

■ 12.5862, 0.3197,
0.3397

Harmonies

Analogous

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



10.7257, 0.4941, 0.4271



10.7257, 0.4272, 0.4935



10.7257, 0.3367, 0.5214

Triad

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



10.7257, 0.4272, 0.4935



10.7257, 0.1472, 0.2505



10.7257, 0.3622, 0.2327

Complementary

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



10.7257, 0.4272, 0.4935



1.1903, 0.1568, 0.0752

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.



10.7257, 0.2605, 0.1946



10.7257, 0.4272, 0.4935



10.7257, 0.1520, 0.1974

Square

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



10.7257, 0.4272, 0.4935



10.7257, 0.1771, 0.3488



10.7257, 0.1889, 0.1815



10.7257, 0.4622, 0.2896

Rectangle

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



10.7257, 0.4272, 0.4935



10.7257, 0.2741, 0.4939



10.7257, 0.1889, 0.1815



10.7257, 0.3262, 0.2175

Sweetspot

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



10.7262, 0.4272, 0.4935



20.8820, 0.3557, 0.3943



2.8416, 0.6101, 0.3228



5.1059, 0.3602, 0.4011



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.



10.7262, 0.4272, 0.4935



18.6344, 0.4304, 0.4964



10.0476, 0.3509, 0.5530



3.2400, 0.3252, 0.3481



14.2527, 0.4303, 0.4966



73.8560, 0.4310, 0.4960

Inverse Universe

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



1.1903, 0.1568, 0.0752



1.7908, 0.1517, 0.0659



1.6120, 0.2018, 0.0933



2.7889, 0.2999, 0.3091



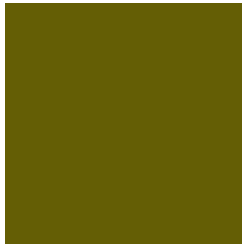
1.3889, 0.1519, 0.0668



6.7748, 0.1508, 0.0629

Previews

White Background



This preview shows how the Yxy color 10.7257, 0.4272, 0.4935 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 10.7257, 0.4272, 0.4935 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

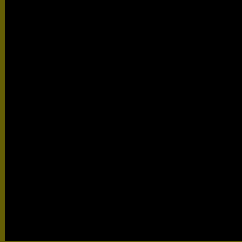
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.7257, 0.4272, 0.4935

Background



This preview shows how black text looks on a background with the Yxy color 10.7257, 0.4272, 0.4935.



This preview shows how white text looks on a background with the Yxy color 10.7257, 0.4272, 0.4935.

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

10.7257, 0.4272, 0.4935

Protanopia

10.7805, 0.4362, 0.4875

Deuteranopia

10.7931, 0.4616, 0.4569



Tritanopia

10.6887, 0.3334, 0.3133

Trichromacy



Original Color

10.7257, 0.4272, 0.4935

Protanomaly

10.7210, 0.4345, 0.4888

Deuteranomaly

10.7160, 0.4499, 0.4693

Tritanomaly

10.6032, 0.3804, 0.3941

Monochromacy



Original Color

10.7257, 0.4272, 0.4935

Achromatopsia

9.3059, 0.3127, 0.3290

Achromatomaly

9.6643, 0.3659, 0.4100

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.7257, 0.4272, 0.4935 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(100, 94, 5)` looks like.

```
.text, #text, p{  
    color:rgb(100, 94, 5)  
}
```

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(100, 94, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 94, 5) }
```

Border

The CSS property to change the border of an element to Yxy 10.7257, 0.4272, 0.4935 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(100, 94, 5) }
```

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

```
.border{ border-color:rgb(100, 94, 5) }
```

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

Here you see how a box with a 4 pixel rgb(100, 94, 5) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 94, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 94, 5);  
box-shadow:4px 4px 4px 4px rgb(100, 94, 5)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.7257, 0.4272, 0.4935 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 94, 5) }
```

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

```
.background{ background-color: rgb(100, 94,  
5) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor