

Converting Colors

$Y_{xy}(13.8014, 0.4085, 0.4749)$

Have a look what the booklet for
Yxy(13.8014, 0.4085, 0.4749)
contains.

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Color

Yxy(13.7273, 0.4090, 0.4739)

Conversions

Conversions Part 1

Format	Color
Hex	6E6A20
RGB	110, 106, 32
RGB Percent	43%, 42%, 13%
CMY	0.5685, 0.5843, 0.8745
CMYK	0.00, 0.04, 0.71, 0.57
HSL	57°, 55%, 28%
HSV	57°, 71%, 43%
XYZ	11.8474, 13.7273, 3.3920
YIQ	98.7600, 26.1380, -22.1660

Conversions

Conversions Part 2

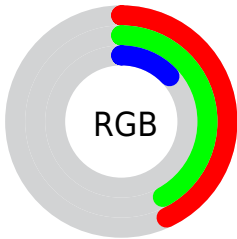
Format	Color
RYB	36, 110, 32
Decimal	7236128
CIELab	43.84, -8.16, 40.24
CIELCh	44, 41.060, 101.467
Yxy	13.7273, 0.4090, 0.4739
Android (android.graphics.Color)	4285426208 (0xFF6E6A20)
YUV	98.7600, -32.9127, 9.8575
Hunter-Lab	37.0504, -7.7603, 20.5072

Details

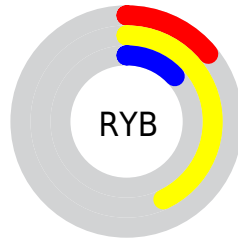
The Yxy color **13.7273, 0.4090, 0.4739** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **2.6973, 0.1854, 0.1237**, and the grayscale version is **12.4944, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.6005, 0.3898, 0.4405**, and **4.0886, 0.4219, 0.5032** is the 20% darker color. If you saturate the color by 10%, you get **13.5611, 0.4175, 0.4854**, and if you desaturate by 10%, it is **13.9156, 0.3983, 0.4588**.

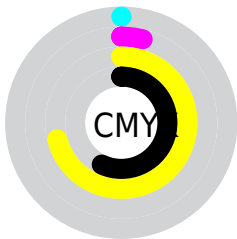
Distribution



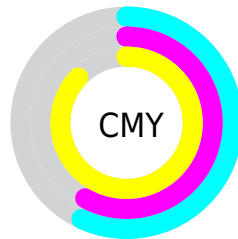
- Red (43%)
- Green (42%)
- Blue (13%)



- Red (14%)
- Yellow (43%)
- Blue (13%)



- Cyan (0%)
- Magenta (4%)
- Yellow (71%)
- Black (57%)



- Cyan (57%)
- Magenta (58%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.7273, 0.4090, 0.4739 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 13.7273, 0.4090, 0.4739 by changing the saturation by 10% instead.


 13.7273, 0.4090,
0.4739


 13.7273, 0.4090,
0.4739

215.5277, 0.3560,
0.3891

 7.9312, 0.4210,
0.4975


 32.6044, 0.3896,
0.4405

 4.0510, 0.4473,
0.5446

 46.4542, 0.3821,
0.4286


 1.7021, 0.4384,
0.5616


 63.7574, 0.3759,
0.4189

 0.4250, 0.3251,
0.6749


 84.8983, 0.3707,
0.4109


 0.0000, 0.0000,
0.0000

 110.2614, 0.3662,
0.4041


 140.2311, 0.3623,


0.3983

 175.1917, 0.3589,
0.3934


 13.7273, 0.4090,
0.4739


 13.7273, 0.4090,
0.4739

 13.5611, 0.4175,
0.4854


 13.9156, 0.3983,
0.4588


 13.4129, 0.4236,
0.4930

 14.1258, 0.3858,
0.4406

 13.2863, 0.4282,
0.4982

 14.3602, 0.3721,
0.4201

 14.6202, 0.3576,
0.3982

 14.9072, 0.3428,
0.3756

■ 15.2223, 0.3281,
0.3530

■ 15.5669, 0.3140,
0.3310

■ 15.9419, 0.3005,
0.3099

■ 16.3484, 0.2879,
0.2901

Harmonies

Analogous

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



13.7273, 0.4660, 0.4228



13.7273, 0.4090, 0.4739



13.7273, 0.3308, 0.4862

Triad

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



13.7273, 0.4090, 0.4739



13.7273, 0.1688, 0.2600



13.7273, 0.3618, 0.2497

Complementary

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



13.7273, 0.4090, 0.4739



2.6973, 0.1854, 0.1237

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.



13.7273, 0.2751, 0.2143



13.7273, 0.4090, 0.4739



13.7273, 0.1746, 0.2147

Square

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



13.7273, 0.4090, 0.4739



13.7273, 0.1944, 0.3402



13.7273, 0.2101, 0.2013



13.7273, 0.4425, 0.3013

Rectangle

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



13.7273, 0.4090, 0.4739



13.7273, 0.2770, 0.4580



13.7273, 0.2101, 0.2013



13.7273, 0.3318, 0.2357

Sweetspot

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



13.7279, 0.4090, 0.4739



26.1339, 0.3437, 0.3770



4.4847, 0.5197, 0.3199



6.0573, 0.3467, 0.3816



57.0482, 0.3127, 0.3290



6.3724, 0.3127, 0.3290

Same Dimension

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



13.7279, 0.4090, 0.4739



23.6364, 0.4217, 0.4907



12.8066, 0.3532, 0.5119



3.8882, 0.3254, 0.3488



15.9409, 0.4283, 0.4982



79.0139, 0.4288, 0.4977

Inverse Universe

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



2.6973, 0.1854, 0.1237



2.9569, 0.1629, 0.0850



3.3115, 0.2321, 0.1381



3.3256, 0.2996, 0.3084



1.4868, 0.1515, 0.0653



7.0191, 0.1506, 0.0623

Previews

White Background



This preview shows how the Yxy color 13.7273, 0.4090, 0.4739 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 13.7273, 0.4090, 0.4739 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

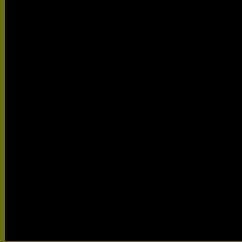
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.7273, 0.4090, 0.4739

Background



This preview shows how black text looks on a background with the Yxy color 13.7273, 0.4090, 0.4739.



This preview shows how white text looks on a background with the Yxy color 13.7273, 0.4090, 0.4739.

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

13.7273, 0.4090, 0.4739

Protanopia

13.7126, 0.4217, 0.4664

Deuteranopia

13.6025, 0.4482, 0.4393



Tritanopia

13.6982, 0.3268, 0.3126

Trichromacy



Original Color

13.7273, 0.4090, 0.4739

Protanomaly

13.7795, 0.4173, 0.4698

Deuteranomaly

13.6338, 0.4342, 0.4515

Tritanomaly

13.6593, 0.3616, 0.3760

Monochromacy



Original Color

13.7273, 0.4090, 0.4739

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

12.8943, 0.3515, 0.3902

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.7273, 0.4090, 0.4739 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(110, 106, 32)` looks like.

```
.text, #text, p{  
    color:rgb(110, 106, 32)  
}
```

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(110, 106, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 106, 32) }
```

Border

The CSS property to change the border of an element to Yxy 13.7273, 0.4090, 0.4739 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(110, 106, 32) }
```

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

```
.border{ border-color:rgb(110, 106, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 106, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 106, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 106, 32);  
box-shadow:4px 4px 4px 4px rgb(110, 106,  
32) }
```


Background

The CSS property to change the background color of an element to Yxy 13.7273, 0.4090, 0.4739 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 106, 32) }
```

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

```
.background{ background-color: rgb(110,  
106, 32) }
```

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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