

Converting Colors

$Y_{xy}(13.6727, 0.3929, 0.4770)$

Have a look what the booklet for
Yxy(13.6727, 0.3929, 0.4770)
contains.

Yxy(13.7361, 0.3923, 0.4780)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(13.7361, 0.3923, 0.4780)

Conversions

Conversions Part 1

Format	Color
Hex	676C24
RGB	103, 108, 36
RGB Percent	40%, 42%, 14%
CMY	0.5961, 0.5764, 0.8588
CMYK	0.05, 0.00, 0.67, 0.58
HSL	64°, 50%, 28%
HSV	64°, 67%, 42%
XYZ	11.2734, 13.7361, 3.7271
YIQ	98.2970, 20.1320, -23.4520

Conversions

Conversions Part 2

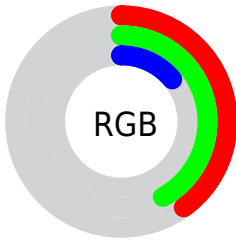
Format	Color
R_{YB}	36, 108, 41
Decimal	6777892
CIE _{Lab}	43.85, -12.32, 38.25
CIE _{LCh}	44, 40.189, 107.850
Yxy	13.7361, 0.3923, 0.4780
Android (android.graphics.Color)	4284967972 (0xFF676C24)
YUV	98.2970, -30.7124, 4.1245
Hunter-Lab	37.0622, -10.5639, 19.9811

Details

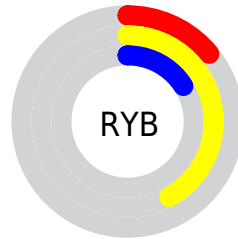
The Yxy color **13.7361, 0.3923, 0.4780** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **2.8176, 0.1971, 0.1306**, and the grayscale version is **12.3665, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.5201, 0.3766, 0.4414**, and **4.1218, 0.4018, 0.5192** is the 20% darker color. If you saturate the color by 10%, you get **13.6360, 0.3993, 0.4929**, and if you desaturate by 10%, it is **13.8578, 0.3832, 0.4597**.

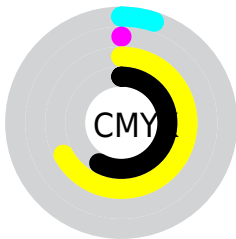
Distribution



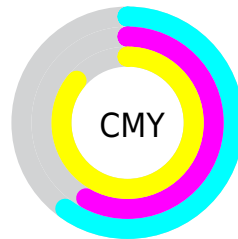
- Red (40%)
- Green (42%)
- Blue (14%)



- Red (14%)
- Yellow (42%)
- Blue (16%)



- Cyan (5%)
- Magenta (0%)
- Yellow (67%)
- Black (58%)



- Cyan (60%)
- Magenta (58%)
- Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 13.7361, 0.3923, 0.4780 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 13.7361, 0.3923, 0.4780 by changing the saturation by 10% instead.

13.7361, 0.3923,
0.4780

13.7361, 0.3923,
0.4780

215.5829, 0.3490,
0.3890

7.9373, 0.4017,
0.5045

32.6200, 0.3767,
0.4421

4.0549, 0.4201,
0.5526

46.4740, 0.3706,
0.4296

1.7043, 0.4127,
0.5873

63.7819, 0.3655,
0.4196

0.4264, 0.1970,
0.8030

84.9280, 0.3612,
0.4113

0.0000, 0.0000,
0.0000

110.2967, 0.3575,
0.4043

140.2725, 0.3543,

0.3985

175.2398, 0.3515,
0.3934

13.7361, 0.3923,
0.4780

13.7361, 0.3923,
0.4780

13.6360, 0.3993,
0.4929

13.8578, 0.3832,
0.4597

13.5538, 0.4040,
0.5040

14.0008, 0.3724,
0.4387

13.4853, 0.4069,
0.5119

14.1672, 0.3603,
0.4159

13.4629, 0.4078,
0.5144

14.3584, 0.3475,
0.3921

14.5756, 0.3343,
0.3680

■ 14.8199, 0.3212,
0.3443

■ 15.0924, 0.3085,
0.3215

■ 15.3942, 0.2964,
0.2999

■ 15.7262, 0.2849,
0.2798

Harmonies

Analogous

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



13.7361, 0.4541, 0.4337



13.7361, 0.3923, 0.4780



13.7361, 0.3137, 0.4770

Triad

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



13.7361, 0.3923, 0.4780



13.7361, 0.1701, 0.2492



13.7361, 0.3794, 0.2609

Complementary

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



13.7361, 0.3923, 0.4780



2.8176, 0.1971, 0.1306

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.



13.7361, 0.2929, 0.2220



13.7361, 0.3923, 0.4780



13.7361, 0.1820, 0.2116

Square

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



13.7361, 0.3923, 0.4780



13.7361, 0.1886, 0.3211



13.7361, 0.2232, 0.2042



13.7361, 0.4522, 0.3142

Rectangle

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



13.7361, 0.3923, 0.4780



13.7361, 0.2622, 0.4402



13.7361, 0.2232, 0.2042



13.7361, 0.3502, 0.2459

Sweetspot

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



13.7367, 0.3923, 0.4780



25.4319, 0.3395, 0.3773



4.8890, 0.5060, 0.3393



6.1361, 0.3422, 0.3824



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.



13.7367, 0.3923, 0.4780



23.8530, 0.4022, 0.4995



12.0548, 0.3389, 0.5099



3.5733, 0.3242, 0.3497



16.0512, 0.4077, 0.5145



81.6323, 0.4070, 0.5151

Inverse Universe

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



2.8176, 0.1971, 0.1306



3.1066, 0.1723, 0.0908



3.9153, 0.2563, 0.1572



3.0343, 0.3007, 0.3076



1.3442, 0.1536, 0.0620



6.7003, 0.1516, 0.0609

Previews

White Background



This preview shows how the Yxy color 13.7361, 0.3923, 0.4780 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 13.7361, 0.3923, 0.4780 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

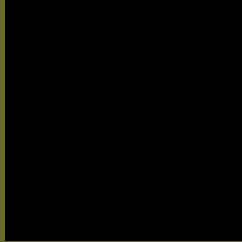
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.7361, 0.3923, 0.4780

Background



This preview shows how black text looks on a background with the Yxy color 13.7361, 0.3923, 0.4780.



This preview shows how white text looks on a background with the Yxy color 13.7361, 0.3923, 0.4780.

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

13.7361, 0.3923, 0.4780

Protanopia

13.7350, 0.4183, 0.4613

Deuteranopia

13.5490, 0.4427, 0.4350



Tritanopia

13.7265, 0.3149, 0.3123

Trichromacy



Original Color

13.7361, 0.3923, 0.4780

Protanomaly

13.6040, 0.4093, 0.4674

Deuteranomaly

13.6358, 0.4244, 0.4505

Tritanomaly

13.6356, 0.3470, 0.3774

Monochromacy



Original Color

13.7361, 0.3923, 0.4780

Achromatopsia

12.2139, 0.3127, 0.3290

Achromatomaly

12.7201, 0.3468, 0.3912

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.7361, 0.3923, 0.4780 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(103, 108, 36)` looks like.

```
.text, #text, p{  
    color:rgb(103, 108, 36)  
}
```

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(103, 108, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 108, 36) }
```

Border

The CSS property to change the border of an element to Yxy 13.7361, 0.3923, 0.4780 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(103, 108, 36) }
```

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

```
.border{ border-color:rgb(103, 108, 36) }
```

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

Here you see how a box with a 4 pixel rgb(103, 108, 36) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 108, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 108, 36);  
box-shadow:4px 4px 4px 4px rgb(103, 108,  
36) }
```


Background

The CSS property to change the background color of an element to Yxy 13.7361, 0.3923, 0.4780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 108, 36) }
```

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

```
.background{ background-color: rgb(103,  
108, 36) }
```

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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