

Converting Colors

$Y_{xy}(14.2396, 0.3959, 0.4727)$

Have a look what the booklet for
Yxy(14.2396, 0.3959, 0.4727)
contains.

Yxy(14.2030, 0.3956, 0.4729)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(14.2030, 0.3956, 0.4729)

Conversions

Conversions Part 1

Format	Color
Hex	6B6D26
RGB	107, 109, 38
RGB Percent	42%, 43%, 15%
CMY	0.5804, 0.5725, 0.8509
CMYK	0.02, 0.00, 0.65, 0.57
HSL	62°, 48%, 29%
HSV	62°, 65%, 43%
XYZ	11.8814, 14.2030, 3.9494
YIQ	100.3080, 21.5990, -22.5050

Conversions

Conversions Part 2

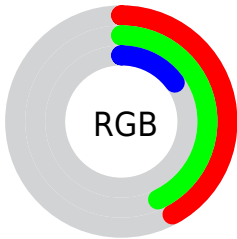
Format	Color
RYB	38, 109, 40
Decimal	7040294
CIELab	44.52, -10.87, 38.14
CIELCh	45, 39.663, 105.906
Yxy	14.2030, 0.3956, 0.4729
Android (android.graphics.Color)	4285230374 (0xFF6B6D26)
YUV	100.3080, -30.7178, 5.8689
Hunter-Lab	37.6869, -9.6771, 20.1674

Details

The Yxy color **14.2030, 0.3956, 0.4729** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **2.9425, 0.1961, 0.1333**, and the grayscale version is **12.9030, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.3033, 0.3787, 0.4381**, and **4.3151, 0.4070, 0.5150** is the 20% darker color. If you saturate the color by 10%, you get **14.1242, 0.4036, 0.4875**, and if you desaturate by 10%, it is **14.3038, 0.3855, 0.4549**.

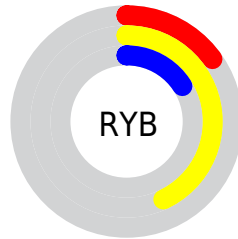
Distribution



Red (42%)

Green (43%)

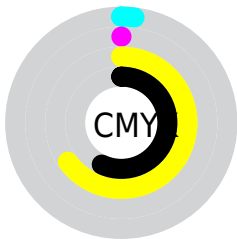
Blue (15%)



Red (15%)

Yellow (43%)

Blue (16%)

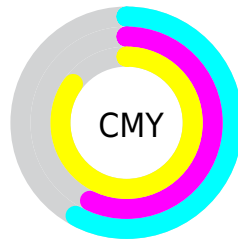


Cyan (2%)

Magenta (0%)

Yellow (65%)

Black (57%)



Cyan (58%)


Magenta (57%)


Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.2030, 0.3956, 0.4729 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 14.2030, 0.3956, 0.4729 by changing the saturation by 10% instead.


 14.2030, 0.3956,
0.4729


 14.2030, 0.3956,
0.4729


218.4901, 0.3503,
0.3877

 8.2620, 0.4058,
0.4979

 33.4488, 0.3790,
0.4387


 4.2630, 0.4233,
0.5401

 47.5224, 0.3727,
0.4268


 1.8218, 0.4232,
0.5768

 65.0756, 0.3674,
0.4171

 0.5007, 0.2960,
0.7040

 86.4928, 0.3629,
0.4092

 0.0000, 0.0000,
0.0000

 112.1585, 0.3590,
0.4025

 142.4570, 0.3557,

0.3968

177.7727, 0.3528,
0.3919

14.2030, 0.3956,
0.4729

14.2030, 0.3956,
0.4729

14.1242, 0.4036,
0.4875

14.3038, 0.3855,
0.4549

14.0636, 0.4094,
0.4983

14.4263, 0.3738,
0.4342

14.0182, 0.4130,
0.5057

14.5726, 0.3608,
0.4117

13.9973, 0.4146,
0.5090

14.7440, 0.3472,
0.3881

14.9419, 0.3333,
0.3642

■ 15.1673, 0.3196,
0.3408

■ 15.4213, 0.3063,
0.3181

■ 15.7051, 0.2937,
0.2967

■ 16.0195, 0.2819,
0.2766

Harmonies

Analogous

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



14.2030, 0.4542, 0.4284



14.2030, 0.3956, 0.4729



14.2030, 0.3192, 0.4750

Triad

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



14.2030, 0.3956, 0.4729



14.2030, 0.1731, 0.2547



14.2030, 0.3724, 0.2593

Complementary

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



14.2030, 0.3956, 0.4729



2.9425, 0.1961, 0.1333

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.



14.2030, 0.2883, 0.2223



14.2030, 0.3956, 0.4729



14.2030, 0.1829, 0.2155

Square

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



14.2030, 0.3956, 0.4729



14.2030, 0.1935, 0.3271



14.2030, 0.2216, 0.2063



14.2030, 0.4453, 0.3111

Rectangle

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



14.2030, 0.3956, 0.4729



14.2030, 0.2682, 0.4418



14.2030, 0.2216, 0.2063



14.2030, 0.3439, 0.2450

Sweetspot

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



14.2037, 0.3956, 0.4729



26.5553, 0.3408, 0.3772



4.8551, 0.5052, 0.3319



6.1627, 0.3437, 0.3822



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.



14.2037, 0.3956, 0.4729



25.2307, 0.4068, 0.4935



12.4684, 0.3437, 0.5032



3.5794, 0.3248, 0.3496



16.3685, 0.4146, 0.5090



83.3376, 0.4143, 0.5092

Inverse Universe

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



2.9425, 0.1961, 0.1333



3.3288, 0.1716, 0.0933



3.9743, 0.2512, 0.1577



3.0289, 0.3001, 0.3076



1.3129, 0.1515, 0.0608



6.6251, 0.1506, 0.0603

Previews

White Background



This preview shows how the Yxy color 14.2030, 0.3956, 0.4729 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 14.2030, 0.3956, 0.4729 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

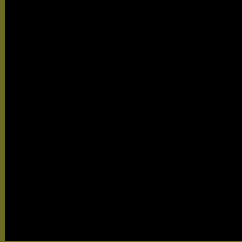
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.2030, 0.3956, 0.4729

Background



This preview shows how black text looks on a background with the Yxy color 14.2030, 0.3956, 0.4729.



This preview shows how white text looks on a background with the Yxy color 14.2030, 0.3956, 0.4729.

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

14.2030, 0.3956, 0.4729

Protanopia

14.0883, 0.4183, 0.4583

Deuteranopia

14.0997, 0.4408, 0.4341



Tritanopia

14.2059, 0.3192, 0.3126

Trichromacy



Original Color

14.2030, 0.3956, 0.4729

Protanomaly

14.0190, 0.4109, 0.4635

Deuteranomaly

13.9913, 0.4242, 0.4476

Tritanomaly

14.1228, 0.3499, 0.3741

Monochromacy



Original Color

14.2030, 0.3956, 0.4729

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

13.1199, 0.3483, 0.3878

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.2030, 0.3956, 0.4729 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(107, 109, 38)` looks like.

```
.text, #text, p{  
    color:rgb(107, 109, 38)  
}
```

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(107, 109, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 109, 38) }
```

Border

The CSS property to change the border of an element to Yxy 14.2030, 0.3956, 0.4729 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(107, 109, 38) }
```

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

```
.border{ border-color:rgb(107, 109, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 109, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 109, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 109, 38);  
box-shadow:4px 4px 4px 4px rgb(107, 109,  
38) }
```


Background

The CSS property to change the background color of an element to Yxy 14.2030, 0.3956, 0.4729 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 109, 38) }
```

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

```
.background{ background-color: rgb(107,  
109, 38) }
```

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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