

Converting Colors

$Y_{xy}(13.1291, 0.3992, 0.4865)$

Have a look what the booklet for
Yxy(13.1291, 0.3992, 0.4865)
contains.

Yxy(13.2167, 0.3996, 0.4870)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(13.2167, 0.3996, 0.4870)

Conversions

Conversions Part 1

Format	Color
Hex	666A1C
RGB	102, 106, 28
RGB Percent	40%, 42%, 11%
CMY	0.5999, 0.5843, 0.8902
CMYK	0.04, 0.00, 0.74, 0.58
HSL	63°, 58%, 26%
HSV	63°, 74%, 42%
XYZ	10.8448, 13.2167, 3.0776
YIQ	95.9120, 22.6540, -25.1060

Conversions

Conversions Part 2

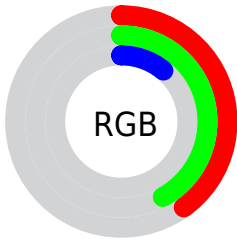
Format	Color
R_{YB}	28, 106, 32
Decimal	6711836
CIE Lab	43.09, -12.18, 40.95
CIE LCh	43, 42.726, 106.562
Yxy	13.2167, 0.3996, 0.4870
Android (android.graphics.Color)	4284901916 (0xFF666A1C)
YUV	95.9120, -33.4806, 5.3392
Hunter-Lab	36.3548, -10.3737, 20.4292

Details

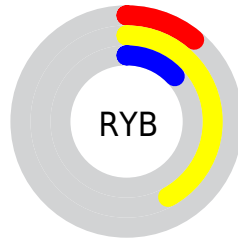
The Yxy color **13.2167, 0.3996, 0.4870** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **2.1774, 0.1837, 0.1108**, and the grayscale version is **11.7543, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.6326, 0.3824, 0.4488**, and **3.8848, 0.4039, 0.5175** is the 20% darker color. If you saturate the color by 10%, you get **13.1437, 0.4054, 0.4989**, and if you desaturate by 10%, it is **13.3090, 0.3916, 0.4713**.

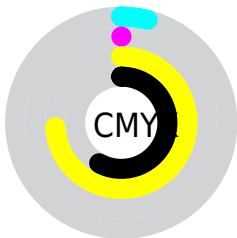
Distribution



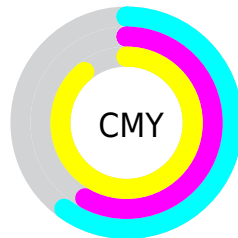
- Red (40%)
- Green (42%)
- Blue (11%)



- Red (11%)
- Yellow (42%)
- Blue (13%)



- Cyan (4%)
- Magenta (0%)
- Yellow (74%)
- Black (58%)





- Cyan (60%)
- Magenta (58%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.2167, 0.3996, 0.4870 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 13.2167, 0.3996, 0.4870 by changing the saturation by 10% instead.


 13.2167, 0.3996,
0.4870


 13.2167, 0.3996,
0.4870


212.3018, 0.3527,
0.3930


 7.5779, 0.4090,
0.5141


 31.6925, 0.3830,
0.4494


 3.8261, 0.4315,
0.5685

 45.2984, 0.3764,
0.4362


 1.5768, 0.4116,
0.5884


 62.3288, 0.3708,
0.4255

 0.3419, 0.0747,
0.9253

 83.1680, 0.3661,
0.4167

 0.0000, 0.0000,
0.0000

 108.2006, 0.3620,
0.4093

 137.8108, 0.3585,

0.4031

172.3831, 0.3554,
0.3977

13.2167, 0.3996,
0.4870

13.2167, 0.3996,
0.4870

13.1437, 0.4054,
0.4989

13.3090, 0.3916,
0.4713

13.0856, 0.4089,
0.5072

13.4205, 0.3816,
0.4525

13.0508, 0.4109,
0.5119

13.5533, 0.3700,
0.4312

13.7087, 0.3574,
0.4082

13.8880, 0.3441,
0.3844

■ 14.0924, 0.3307,
0.3605

■ 14.3228, 0.3174,
0.3372

■ 14.5804, 0.3046,
0.3148

■ 14.8661, 0.2924,
0.2936

Harmonies

Analogous

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



13.2167, 0.4651, 0.4363



13.2167, 0.3996, 0.4870



13.2167, 0.3162, 0.4911

Triad

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



13.2167, 0.3996, 0.4870



13.2167, 0.1615, 0.2454



13.2167, 0.3801, 0.2541

Complementary

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



13.2167, 0.3996, 0.4870



2.1774, 0.1837, 0.1108

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.



13.2167, 0.2873, 0.2141



13.2167, 0.3996, 0.4870



13.2167, 0.1728, 0.2048

Square

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



13.2167, 0.3996, 0.4870



13.2167, 0.1818, 0.3237



13.2167, 0.2147, 0.1963



13.2167, 0.4603, 0.3096

Rectangle

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



13.2167, 0.3996, 0.4870



13.2167, 0.2610, 0.4534



13.2167, 0.2147, 0.1963



13.2167, 0.3485, 0.2387

Sweetspot

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



13.2173, 0.3996, 0.4870



24.4083, 0.3428, 0.3821



4.1752, 0.5379, 0.3369



5.7031, 0.3453, 0.3865



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.



13.2173, 0.3996, 0.4870



22.9970, 0.4080, 0.5049



11.4513, 0.3405, 0.5256



3.5761, 0.3245, 0.3497



16.1928, 0.4108, 0.5120



82.3928, 0.4103, 0.5124

Inverse Universe

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



2.1774, 0.1837, 0.1108



2.3913, 0.1615, 0.0756



3.2064, 0.2462, 0.1408



3.0318, 0.3004, 0.3076



1.3300, 0.1527, 0.0615



6.6621, 0.1511, 0.0606

Previews

White Background



This preview shows how the Yxy color 13.2167, 0.3996, 0.4870 looks on a white background.

Color Contrast Check

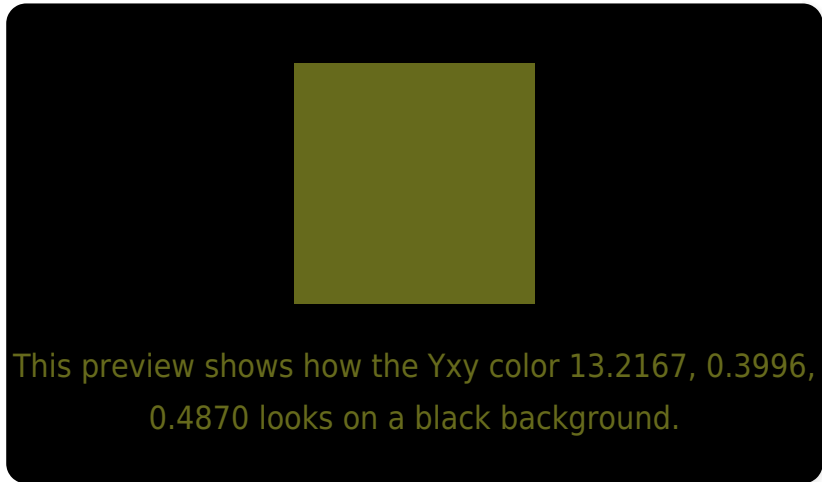
Large Text (above 18pt) WCAG AA ✓ Pass

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

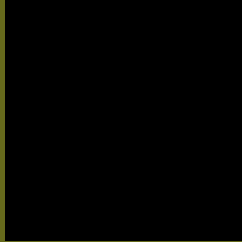
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.2167, 0.3996, 0.4870

Background



This preview shows how black text looks on a background with the Yxy color 13.2167, 0.3996, 0.4870.



This preview shows how white text looks on a background with the Yxy color 13.2167, 0.3996, 0.4870.

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

13.2167, 0.3996, 0.4870

Protanopia

13.1593, 0.4246, 0.4700

Deuteranopia

13.1657, 0.4480, 0.4439



Tritanopia

13.2364, 0.3164, 0.3121

Trichromacy



Original Color

13.2167, 0.3996, 0.4870

Protanomaly

13.0946, 0.4169, 0.4756

Deuteranomaly

13.0648, 0.4306, 0.4582

Tritanomaly

13.1170, 0.3520, 0.3825

Monochromacy



Original Color

13.2167, 0.3996, 0.4870

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

12.1659, 0.3502, 0.3970

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.2167, 0.3996, 0.4870 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(102, 106, 28)` looks like.

```
.text, #text, p{  
    color:rgb(102, 106, 28)  
}
```

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(102, 106, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 106, 28) }
```

Border

The CSS property to change the border of an element to Yxy 13.2167, 0.3996, 0.4870 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(102, 106, 28) }
```

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

```
.border{ border-color:rgb(102, 106, 28) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 106, 28)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 106, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 106, 28);  
box-shadow:4px 4px 4px 4px rgb(102, 106,  
28) }
```


Background

The CSS property to change the background color of an element to Yxy 13.2167, 0.3996, 0.4870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 106, 28) }
```

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

```
.background{ background-color: rgb(102,  
106, 28) }
```

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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