

Converting Colors

$Y_{xy}(13.0214, 0.4027, 0.5184)$

Have a look what the booklet for
Yxy(13.0214, 0.4027, 0.5184)
contains.

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Color

Yxy(13.0022, 0.4023, 0.5188)

Conversions

Conversions Part 1

Format	Color
Hex	606B00
RGB	96, 107, 0
RGB Percent	38%, 42%, 0%
CMY	0.6235, 0.5804, 1.0000
CMYK	0.10, 0.00, 1.00, 0.58
HSL	66°, 100%, 21%
HSV	66°, 100%, 42%
XYZ	10.0825, 13.0022, 1.9774
YIQ	91.5130, 27.7910, -35.6090

Conversions

Conversions Part 2

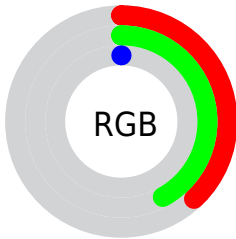
Format	Color
RYB	0, 107, 11
Decimal	6318848
CIELab	42.77, -16.61, 48.75
CIElCh	43, 51.505, 108.819
Yxy	13.0022, 0.4023, 0.5188
Android (android.graphics.Color)	4284508928 (0xFF606B00)
YUV	91.5130, -45.1159, 3.9351
Hunter-Lab	36.0586, -13.1914, 21.9896

Details

The Yxy color **13.0022, 0.4023, 0.5188** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **1.1326, 0.1559, 0.0633**, and the grayscale version is **10.6863, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.2640, 0.3891, 0.4748**, and **3.7896, 0.3812, 0.5355** is the 20% darker color. If you saturate the color by 10%, you get **13.0029, 0.4023, 0.5188**, and if you desaturate by 10%, it is **13.0864, 0.4001, 0.5104**.

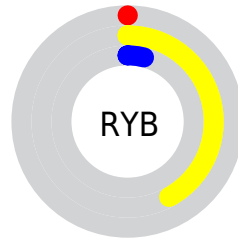
Distribution



Red (38%)

Green (42%)

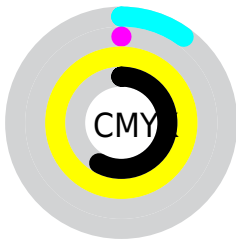
Blue (0%)



Red (0%)

Yellow (42%)

Blue (4%)

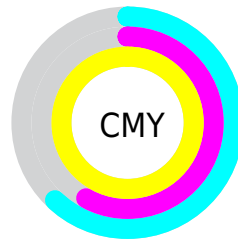


Cyan (10%)

Magenta (0%)

Yellow (100%)

Black (58%)



Cyan (62%)


Magenta (58%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 13.0022, 0.4023, 0.5188 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 13.0022, 0.4023, 0.5188 by changing the saturation by 10% instead.


 13.0022, 0.4023,
0.5188


 13.0022, 0.4023,
0.5188


 210.9318, 0.3575,
0.4070

 7.4301, 0.4090,
0.5509


 31.3077, 0.3885,
0.4752


 3.7325, 0.4098,
0.5902

 44.8099, 0.3822,
0.4594


 1.5251, 0.3817,
0.6183

 61.7242, 0.3767,
0.4466

 0.3063, 0.0000,
1.0000


 82.4351, 0.3718,
0.4359

 0.0000, 0.0000,
0.0000

 107.3269, 0.3675,
0.4269


 136.7840, 0.3638,

0.4193


 171.1908, 0.3605,
0.4127


 13.0022, 0.4023,
0.5188


 13.0022, 0.4023,
0.5188


 13.0029, 0.4023,
0.5188

 13.0864, 0.4001,
0.5104

 13.1794, 0.3967,
0.5000

 13.2903, 0.3910,
0.4857

 13.4209, 0.3831,
0.4678

 13.5730, 0.3734,
0.4471

■ 13.7481, 0.3623,
0.4243

■ 13.9473, 0.3502,
0.4004

■ 14.1721, 0.3377,
0.3761

■ 14.4235, 0.3251,
0.3521

Harmonies

Analogous

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



13.0022, 0.4842, 0.4536



13.0022, 0.4023, 0.5188



13.0022, 0.3042, 0.5268

Triad

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



13.0022, 0.4023, 0.5188



13.0022, 0.1374, 0.2225



13.0022, 0.4016, 0.2449

Complementary

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



13.0022, 0.4023, 0.5188



1.1326, 0.1559, 0.0633

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.



13.0022, 0.2888, 0.1982



13.0022, 0.4023, 0.5188



13.0022, 0.1530, 0.1816

Square

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



13.0022, 0.4023, 0.5188



13.0022, 0.1556, 0.3108



13.0022, 0.2022, 0.1758



13.0022, 0.4962, 0.3079

Rectangle

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



13.0022, 0.4023, 0.5188



13.0022, 0.2411, 0.4766



13.0022, 0.2022, 0.1758



13.0022, 0.3632, 0.2270

Sweetspot

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



13.0029, 0.4023, 0.5188



24.9428, 0.3512, 0.4024



3.3583, 0.6267, 0.3406



6.0089, 0.3551, 0.4101



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.



13.0029, 0.4023, 0.5188



23.2534, 0.4018, 0.5192



11.0246, 0.3275, 0.5781



3.5685, 0.3238, 0.3497



15.8113, 0.4021, 0.5189



80.3470, 0.4011, 0.5197

Inverse Universe

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



1.1326, 0.1559, 0.0633



1.9974, 0.1545, 0.0625



2.1582, 0.2275, 0.1027



3.0387, 0.3011, 0.3076



1.3699, 0.1554, 0.0630



6.7888, 0.1528, 0.0616

Previews

White Background



This preview shows how the Yxy color 13.0022, 0.4023, 0.5188 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 Xy color 13.0022, 0.4023, 0.5188 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

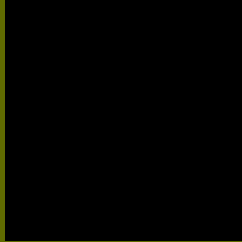
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 13.0022, 0.4023, 0.5188

Background



This preview shows how black text looks on a background with the Yxy color 13.0022, 0.4023, 0.5188.



This preview shows how white text looks on a background with the Yxy color 13.0022, 0.4023, 0.5188.

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

13.0022, 0.4023, 0.5188

Protanopia

12.8848, 0.4399, 0.4889

Deuteranopia

12.9214, 0.4602, 0.4559



Tritanopia

12.9283, 0.3092, 0.3117

Trichromacy



Original Color

13.0022, 0.4023, 0.5188

Protanomaly

12.8263, 0.4256, 0.5002

Deuteranomaly

12.8515, 0.4403, 0.4787

Tritanomaly

12.6868, 0.3580, 0.4069

Monochromacy



Original Color

13.0022, 0.4023, 0.5188

Achromatopsia

10.7023, 0.3127, 0.3290

Achromatomaly

11.1923, 0.3606, 0.4213

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.0022, 0.4023, 0.5188 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(96, 107, 0)` looks like.

```
.text, #text, p{  
    color:rgb(96, 107, 0)  
}
```

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(96, 107, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 107, 0) }
```

Border

The CSS property to change the border of an element to Yxy 13.0022, 0.4023, 0.5188 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(96, 107, 0) }
```

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

```
.border{ border-color:rgb(96, 107, 0) }
```

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

Here you see how a box with a 4 pixel rgb(96, 107, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 107, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 107, 0);  
box-shadow:4px 4px 4px 4px rgb(96, 107, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.0022, 0.4023, 0.5188 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 107, 0) }
```

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

```
.background{ background-color: rgb(96, 107,  
0) }
```

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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