

Converting Colors

$Y_{xy}(12.2402, 0.2834, 0.5322)$

Have a look what the booklet for
Yxy(12.2402, 0.2834, 0.5322)
contains.

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Color

$Y_{xy}(12.2405, 0.2835, 0.5331)$

Conversions

Conversions Part 1

Format	Color
Hex	06722A
RGB	6, 114, 42
RGB Percent	2%, 45%, 16%
CMY	0.9769, 0.5529, 0.8352
CMYK	0.95, 0.00, 0.63, 0.55
HSL	140°, 90%, 24%
HSV	140°, 95%, 45%
XYZ	6.5094, 12.2405, 4.2110
YIQ	73.5000, -41.2560, -45.2880

Conversions

Conversions Part 2

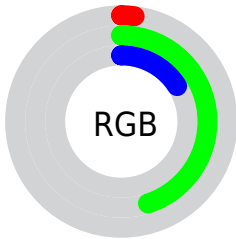
Format	Color
RYB	6, 87, 114
Decimal	422442
CIELab	41.60, -43.69, 31.67
CIELCh	42, 53.960, 144.064
Yxy	12.2405, 0.2835, 0.5331
Android (android.graphics.Color)	4278612522 (0xFF06722A)
YUV	73.5000, -15.5295, -59.1975
Hunter-Lab	34.9864, -28.0152, 17.3542

Details

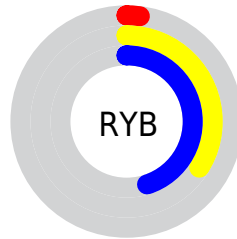
The Yxy color **12.2405, 0.2835, 0.5331** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **4.2540, 0.4147, 0.2107**, and the grayscale version is **6.7829, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.9534, 0.2965, 0.4744**, and **3.6668, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **12.1763, 0.2843, 0.5435**, and if you desaturate by 10%, it is **12.3845, 0.2818, 0.5115**.

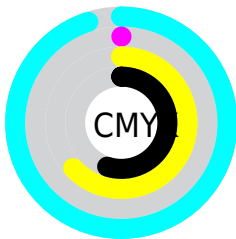
Distribution



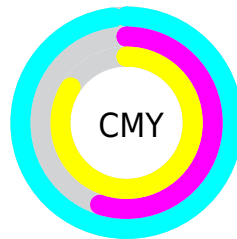
- Red (2%)
- Green (45%)
- Blue (16%)



- Red (2%)
- Yellow (34%)
- Blue (45%)



- Cyan (95%)
- Magenta (0%)
- Yellow (63%)
- Black (55%)




- Cyan (98%)
- Magenta (55%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.2405, 0.2835, 0.5331 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 12.2405, 0.2835, 0.5331 by changing the saturation by 10% instead.


 12.2405, 0.2835,
0.5331


 12.2405, 0.2835,
0.5331


205.9910, 0.3073,
0.4002


 6.9077, 0.2701,
0.5829


 29.9324, 0.2962,
0.4742


 3.4044, 0.2495,
0.6736

 43.0602, 0.2995,
0.4556


 1.3463, 0.1024,
0.8976

 59.5552, 0.3018,
0.4412

 0.1767, 0.0000,
1.0000

 79.8017, 0.3035,
0.4297


 0.0000, 0.0000,
0.0000


 104.1842, 0.3048,
0.4203


 133.0870, 0.3058,

0.4125


 166.8944, 0.3066,
0.4059


 12.2405, 0.2835,
0.5331


 12.2405, 0.2835,
0.5331

 12.1763, 0.2843,
0.5435

 12.3845, 0.2818,
0.5115

 12.5898, 0.2814,
0.4881

 12.8679, 0.2827,
0.4637

 13.2252, 0.2853,
0.4392

 13.6677, 0.2890,
0.4155

■ 14.2005, 0.2936,
0.3931

■ 14.8286, 0.2988,
0.3723

■ 15.5564, 0.3043,
0.3535

■ 16.3881, 0.3100,
0.3365

Harmonies

Analogous

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



12.2405, 0.3871, 0.5380



12.2405, 0.2835, 0.5331



12.2405, 0.1929, 0.4214

Triad

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



12.2405, 0.2835, 0.5331



12.2405, 0.1513, 0.1704



12.2405, 0.5194, 0.3175

Complementary

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



12.2405, 0.2835, 0.5331



4.2540, 0.4147, 0.2107

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.



12.2405, 0.4282, 0.2505



12.2405, 0.2835, 0.5331



12.2405, 0.2088, 0.1703

Square

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



12.2405, 0.2835, 0.5331



12.2405, 0.1293, 0.2048



12.2405, 0.3065, 0.1983



12.2405, 0.5335, 0.3916

Rectangle

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



12.2405, 0.2835, 0.5331



12.2405, 0.1533, 0.3282



12.2405, 0.3065, 0.1983



12.2405, 0.4964, 0.2942

Sweetspot

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



12.2410, 0.2835, 0.5331



25.6066, 0.2967, 0.3802



13.6669, 0.3650, 0.5428



5.8365, 0.2950, 0.3872



58.7016, 0.3127, 0.3290



6.8385, 0.3127, 0.3290

Same Dimension

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



12.2410, 0.2835, 0.5331



21.3737, 0.2856, 0.5480



12.9180, 0.2395, 0.3772



3.7799, 0.3076, 0.3433



13.5504, 0.2846, 0.5445



67.3548, 0.2873, 0.5542

Inverse Universe

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



4.2540, 0.4147, 0.2107



7.1776, 0.4254, 0.2117



3.7712, 0.5900, 0.3104



3.4354, 0.3182, 0.3151



4.5587, 0.4229, 0.2103



22.5438, 0.4300, 0.2143

Previews

White Background



This preview shows how the Yxy color 12.2405, 0.2835, 0.5331 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 12.2405, 0.2835, 0.5331

Background



This preview shows how black text looks on a background with the Yxy color 12.2405, 0.2835, 0.5331.



This preview shows how white text looks on a background with the Yxy color 12.2405, 0.2835, 0.5331.

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

12.2405, 0.2835, 0.5331

Protanopia

12.1201, 0.4133, 0.4550

Deuteranopia

12.0352, 0.4248, 0.4193



Tritanopia

12.3340, 0.2375, 0.3090

Trichromacy



Original Color

12.2405, 0.2835, 0.5331

Protanomaly

11.4248, 0.3456, 0.4942

Deuteranomaly

11.1669, 0.3512, 0.4685

Tritanomaly

12.1477, 0.2532, 0.3892

Monochromacy



Original Color

12.2405, 0.2835, 0.5331

Achromatopsia

6.6626, 0.3127, 0.3290

Achromatomaly

7.9802, 0.2899, 0.4112

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.2405, 0.2835, 0.5331 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(6, 114, 42)` looks like.

```
.text, #text, p{  
    color:rgb(6, 114, 42)  
}
```

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(6, 114, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 114, 42) }
```

Border

The CSS property to change the border of an element to Yxy 12.2405, 0.2835, 0.5331 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(6, 114, 42) }
```

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

```
.border{ border-color:rgb(6, 114, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(6, 114, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 114, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(6, 114, 42);  
box-shadow:4px 4px 4px 4px rgb(6, 114, 42)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.2405, 0.2835, 0.5331 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 114, 42) }
```

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

```
.background{ background-color: rgb(6, 114,  
42) }
```

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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