

Converting Colors

$Y_{xy}(42.7760, 0.3325, 0.5709)$

Have a look what the booklet for
Yxy(42.7760, 0.3325, 0.5709)
contains.

| | |
|--|----|
| Yxy(42.8430, 0.3327, 0.5708) | 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(42.8430, 0.3327, 0.5708)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 5FC60A |
| RGB | 95, 198, 10 |
| RGB Percent | 37%, 78%, 4% |
| CMY | 0.6273, 0.2235, 0.9604 |
| CMYK | 0.52, 0.00, 0.95, 0.22 |
| HSL | 93°, 90%, 41% |
| HSV | 93°, 95%, 78% |
| XYZ | 24.9717, 42.8430, 7.2431 |
| YIQ | 145.7710, -1.0400, -80.3040 |

Conversions

Conversions Part 2

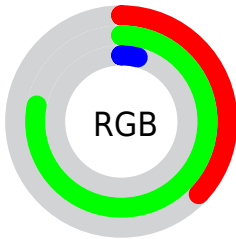
| Format | Color |
|-------------------------------------|--|
| RYB | 10, 198, 113 |
| Decimal | 6276618 |
| CIELab | 71.45, -56.69, 69.74 |
| CIElCh | 71, 89.874, 129.110 |
| Yxy | 42.8430, 0.3327, 0.5708 |
| Android (android.graphics.Color) | 4284466698 (0xFF5FC60A) |
| YUV | 145.7710, -66.9351, -44.5262 |
| Hunter-Lab | 65.4546, -46.4455, 39.2573 |

Details

The Yxy color **42.8430, 0.3327, 0.5708** is a dark color, and the websafe version is hex **66CC00**. The color can be described as dark washed green. A complement of this color would be **7.8119, 0.2168, 0.0989**, and the grayscale version is **28.9357, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.1287, 0.3370, 0.5241**, and **19.7936, 0.3046, 0.5963** is the 20% darker color. If you saturate the color by 10%, you get **42.5363, 0.3300, 0.5762**, and if you desaturate by 10%, it is **43.5384, 0.3373, 0.5572**.

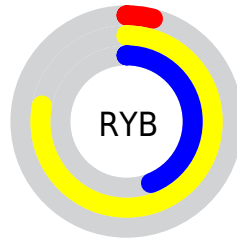
Distribution



Red (37%)

Green (78%)

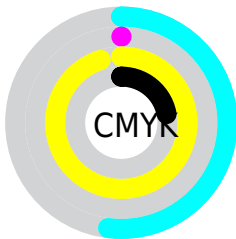
Blue (4%)



Red (4%)

Yellow (78%)

Blue (44%)

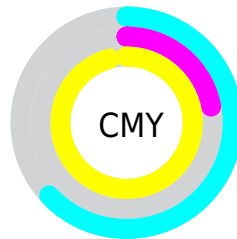


Cyan (52%)

Magenta (0%)

Yellow (95%)

Black (22%)



Cyan (63%)


Magenta (22%)


Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.8430, 0.3327, 0.5708 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 42.8430, 0.3327, 0.5708 by changing the saturation by 10% instead.


 42.8430, 0.3327,
0.5708


 42.8430, 0.3327,
0.5708

357.9657, 0.3345,
0.4434

 29.7620, 0.3271,
0.6015


 79.4739, 0.3370,
0.5245


 19.6580, 0.3167,
0.6387


 103.7925, 0.3374,
0.5070

 12.1467, 0.3014,
0.6917


 132.6258, 0.3374,
0.4922

 6.8436, 0.2641,
0.7359

 166.3581, 0.3370,
0.4795

 3.3645, 0.2061,
0.7939

 205.3739, 0.3365,
0.4686

 1.3249, 0.0000,
1.0000

 250.0575, 0.3358,


 0.1603, 0.0000,


0.4590


1.0000

300.7933, 0.3352,
0.4507


 0.0000, 0.0000,
0.0000


 42.8430, 0.3327,
0.5708


 42.8430, 0.3327,
0.5708


 42.5363, 0.3300,
0.5762

 43.5384, 0.3373,
0.5572

 44.3793, 0.3401,
0.5378

 45.3811, 0.3408,
0.5134

 46.5550, 0.3395,
0.4854

 47.9110, 0.3366,
0.4554

■ 49.4582, 0.3323,
0.4250

■ 51.2050, 0.3272,
0.3952

■ 53.1594, 0.3215,
0.3671

■ 55.3285, 0.3156,
0.3409

Harmonies

Analogous

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



42.8430, 0.4404, 0.5201



42.8430, 0.3327, 0.5708



42.8430, 0.2256, 0.5056

Triad

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



42.8430, 0.3327, 0.5708



42.8430, 0.1247, 0.1713



42.8430, 0.4977, 0.2777

Complementary

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



42.8430, 0.3327, 0.5708



7.8119, 0.2168, 0.0989

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.



42.8430, 0.3714, 0.2137



42.8430, 0.3327, 0.5708



42.8430, 0.1653, 0.1556

Square

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



42.8430, 0.3327, 0.5708



42.8430, 0.1182, 0.2298



42.8430, 0.2472, 0.1708



42.8430, 0.5557, 0.3514

Rectangle

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



42.8430, 0.3327, 0.5708



42.8430, 0.1694, 0.4034



42.8430, 0.2472, 0.1708



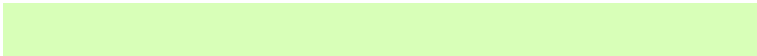
42.8430, 0.4600, 0.2548

Sweetspot

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



42.8448, 0.3327, 0.5708



89.5438, 0.3291, 0.4056



23.2483, 0.5221, 0.4192



18.8785, 0.3313, 0.4187



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



42.8448, 0.3327, 0.5708



75.1829, 0.3290, 0.5770



40.4914, 0.2996, 0.5941



12.1187, 0.3183, 0.3524



27.7122, 0.3310, 0.5754



1.3550, 0.3476, 0.5622

Inverse Universe

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



7.8119, 0.2168, 0.0989



12.7724, 0.2101, 0.0931



16.0192, 0.3289, 0.1602



10.5690, 0.3067, 0.3057



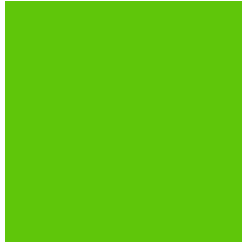
4.7967, 0.2129, 0.0946



0.2697, 0.2347, 0.1066

Previews

White Background



This preview shows how the Yxy color 42.8430, 0.3327, 0.5708 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 42.8430, 0.3327, 0.5708 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

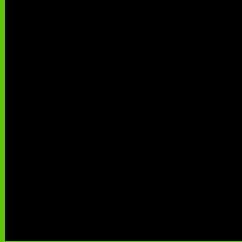
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.8430, 0.3327, 0.5708

Background



This preview shows how black text looks on a background with the Yxy color 42.8430, 0.3327, 0.5708.



This preview shows how white text looks on a background with the Yxy color 42.8430, 0.3327, 0.5708.

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

42.8430, 0.3327, 0.5708

Protanopia

42.0079, 0.4406, 0.4884

Deuteranopia

42.1375, 0.4619, 0.4517



Tritanopia

42.5421, 0.2563, 0.3074

Trichromacy



Original Color

42.8430, 0.3327, 0.5708

Protanomaly

41.2467, 0.3960, 0.5226

Deuteranomaly

40.5367, 0.4113, 0.4990

Tritanomaly

41.4516, 0.2951, 0.4232

Monochromacy



Original Color

42.8430, 0.3327, 0.5708

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

32.2854, 0.3342, 0.4428

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.8430, 0.3327, 0.5708 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(95, 198, 10)` looks like.

```
.text, #text, p{  
    color:rgb(95, 198, 10)  
}
```

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(95, 198, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 198, 10) }
```

Border

The CSS property to change the border of an element to Yxy 42.8430, 0.3327, 0.5708 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(95, 198, 10) }
```

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

```
.border{ border-color:rgb(95, 198, 10) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 198, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 198, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 198, 10);  
box-shadow:4px 4px 4px 4px rgb(95, 198,  
10) }
```


Background

The CSS property to change the background color of an element to Yxy 42.8430, 0.3327, 0.5708 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 198, 10) }
```

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

```
.background{ background-color: rgb(95, 198,  
10) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor