

Converting Colors

$Y_{xy}(22.3168, 0.3433, 0.5061)$

Have a look what the booklet for
Yxy(22.3168, 0.3433, 0.5061)
contains.

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Color

Yxy(22.3168, 0.3433, 0.5061)

Conversions

Conversions Part 1

Format	Color
Hex	5F8F33
RGB	95, 143, 51
RGB Percent	37%, 56%, 20%
CMY	0.6275, 0.4392, 0.8000
CMYK	0.34, 0.00, 0.64, 0.44
HSL	91°, 47%, 38%
HSV	91°, 64%, 56%
XYZ	15.1380, 22.3168, 6.6408
YIQ	118.1600, 0.9240, -38.7880

Conversions

Conversions Part 2

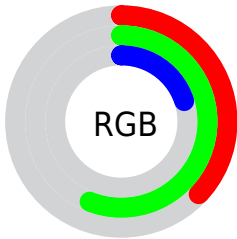
Format	Color
RYB	51, 143, 99
Decimal	6262579
CIELab	54.36, -32.25, 42.59
CIElCh	54, 53.423, 127.140
Yxy	22.3168, 0.3433, 0.5061
Android (android.graphics.Color)	4284452659 (0xFF5F8F33)
YUV	118.1600, -33.1099, -20.3113
Hunter-Lab	47.2407, -25.4717, 24.7338

Details

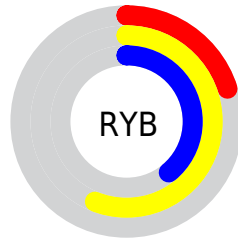
The Yxy color **22.3168, 0.3433, 0.5061** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **7.0041, 0.2507, 0.1555**, and the grayscale version is **18.2744, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.1877, 0.3403, 0.4643**, and **8.1679, 0.3370, 0.5706** is the 20% darker color. If you saturate the color by 10%, you get **21.8298, 0.3434, 0.5304**, and if you desaturate by 10%, it is **22.8829, 0.3413, 0.4787**.

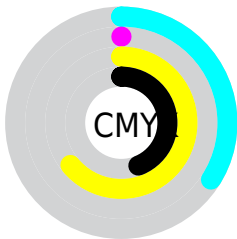
Distribution



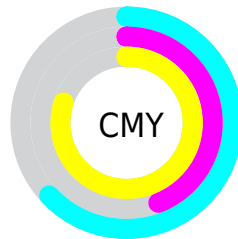
- Red (37%)
- Green (56%)
- Blue (20%)



- Red (20%)
- Yellow (56%)
- Blue (39%)



- Cyan (34%)
- Magenta (0%)
- Yellow (64%)
- Black (44%)





- Cyan (63%)
- Magenta (44%)
- Yellow (80%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 22.3168, 0.3433, 0.5061 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 22.3168, 0.3433, 0.5061 by changing the saturation by 10% instead.


 22.3168, 0.3433,
0.5061


 22.3168, 0.3433,
0.5061

 264.1962, 0.3317,
0.4028


 14.0899, 0.3429,
0.5366


 47.2690, 0.3409,
0.4649


 8.1832, 0.3390,
0.5778


 64.7631, 0.3394,
0.4505

 4.2124, 0.3394,
0.6606

 86.1151, 0.3378,
0.4388

 1.7931, 0.2876,
0.7124

 111.7093, 0.3364,
0.4291

 0.4828, 0.0000,
1.0000

 141.9301, 0.3351,
0.4209

 0.0000, 0.0000,
0.0000

 177.1619, 0.3338,

0.4140

217.7892, 0.3327,
0.4080

■ 22.3168, 0.3433,
0.5061

■ 22.3168, 0.3433,
0.5061

■ 21.8298, 0.3434,
0.5304

■ 22.8829, 0.3413,
0.4787

■ 21.4142, 0.3414,
0.5503

■ 23.5293, 0.3378,
0.4497

■ 21.0651, 0.3375,
0.5650

■ 24.2610, 0.3331,
0.4203

■ 20.8890, 0.3351,
0.5722

■ 25.0815, 0.3276,
0.3917

■ 25.9942, 0.3216,
0.3645

■ 27.0022, 0.3154,
0.3393

■ 28.1086, 0.3092,
0.3162

■ 29.3162, 0.3033,
0.2953

■ 30.6276, 0.2975,
0.2765

Harmonies

Analogous

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



22.3168, 0.4268, 0.4799



22.3168, 0.3433, 0.5061



22.3168, 0.2564, 0.4590

Triad

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



22.3168, 0.3433, 0.5061



22.3168, 0.1603, 0.2086



22.3168, 0.4453, 0.2890

Complementary

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



22.3168, 0.3433, 0.5061



7.0041, 0.2507, 0.1555

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.



22.3168, 0.3519, 0.2358



22.3168, 0.3433, 0.5061



22.3168, 0.1934, 0.1907

Square

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



22.3168, 0.3433, 0.5061



22.3168, 0.1583, 0.2623



22.3168, 0.2589, 0.2011



22.3168, 0.4963, 0.3520

Rectangle

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



22.3168, 0.3433, 0.5061



22.3168, 0.2085, 0.3921



22.3168, 0.2589, 0.2011



22.3168, 0.4168, 0.2697

Sweetspot

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



22.3178, 0.3433, 0.5061



45.6993, 0.3246, 0.3781



14.9148, 0.4489, 0.4097



10.3843, 0.3262, 0.3851



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



22.3178, 0.3433, 0.5061



38.7559, 0.3428, 0.5396



20.6031, 0.3024, 0.5271



6.1479, 0.3184, 0.3512



18.4805, 0.3354, 0.5719



0.1897, 0.3698, 0.5445

Inverse Universe

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



7.0041, 0.2507, 0.1555



9.0910, 0.2330, 0.1235



10.1446, 0.3218, 0.1881



5.3847, 0.3066, 0.3068



3.0756, 0.2091, 0.0926



0.0425, 0.2571, 0.1190

Previews

White Background



This preview shows how the Yxy color 22.3168, 0.3433, 0.5061 looks on a white 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

Black Background



This preview shows how the Yxy color 22.3168, 0.3433, 0.5061 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

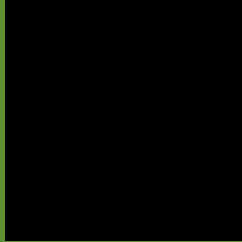
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.3168, 0.3433, 0.5061

Background



This preview shows how black text looks on a background with the Yxy color 22.3168, 0.3433, 0.5061.



This preview shows how white text looks on a background with the Yxy color 22.3168, 0.3433, 0.5061.

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

22.3168, 0.3433, 0.5061

Protanopia

22.1902, 0.4179, 0.4597

Deuteranopia

21.9349, 0.4361, 0.4286



Tritanopia

22.2827, 0.2747, 0.3088

Trichromacy



Original Color

22.3168, 0.3433, 0.5061

Protanomaly

22.0534, 0.3893, 0.4783

Deuteranomaly

21.4753, 0.4000, 0.4563

Tritanomaly

21.9226, 0.3018, 0.3800

Monochromacy



Original Color

22.3168, 0.3433, 0.5061

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

19.3019, 0.3286, 0.3954

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.3168, 0.3433, 0.5061 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, 143, 51)` looks like.

```
.text, #text, p{  
    color:rgb(95, 143, 51)  
}
```

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, 143, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 143, 51) }
```

Border

The CSS property to change the border of an element to Yxy 22.3168, 0.3433, 0.5061 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, 143, 51) }
```

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

```
.border{ border-color:rgb(95, 143, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 143, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 143, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 143, 51);  
box-shadow:4px 4px 4px 4px rgb(95, 143,  
51) }
```


Background

The CSS property to change the background color of an element to Yxy 22.3168, 0.3433, 0.5061 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 143, 51) }
```

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

```
.background{ background-color: rgb(95, 143,  
51) }
```

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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