

Converting Colors

$Y_{xy}(28.3678, 0.3465, 0.5186)$

Have a look what the booklet for
Yxy(28.3678, 0.3465, 0.5186)
contains.

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Color

Yxy(28.3666, 0.3465, 0.5186)

Conversions

Conversions Part 1

Format	Color
Hex	69A031
RGB	105, 160, 49
RGB Percent	41%, 63%, 19%
CMY	0.5881, 0.3726, 0.8079
CMYK	0.34, 0.00, 0.69, 0.37
HSL	90°, 53%, 41%
HSV	90°, 69%, 63%
XYZ	18.9530, 28.3666, 7.3788
YIQ	130.9010, 2.8510, -46.1810

Conversions

Conversions Part 2

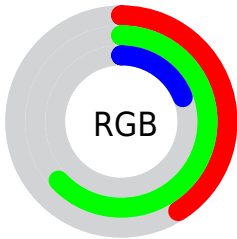
Format	Color
R_{YB}	49, 160, 104
Decimal	6922289
CIE _{Lab}	60.22, -36.42, 49.87
CIE _{LCh}	60, 61.751, 126.137
Yxy	28.3666, 0.3465, 0.5186
Android (android.graphics.Color)	4285112369 (0xFF69A031)
YUV	130.9010, -40.3772, -22.7152
Hunter-Lab	53.2603, -29.6852, 29.0680

Details

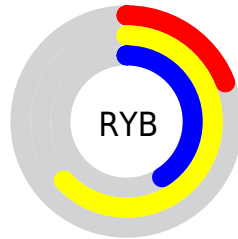
The Yxy color **28.3666, 0.3465, 0.5186** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **7.6721, 0.2396, 0.1398**, and the grayscale version is **22.8077, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.0140, 0.3449, 0.4779**, and **11.4289, 0.3363, 0.5712** is the 20% darker color. If you saturate the color by 10%, you get **27.7982, 0.3457, 0.5403**, and if you desaturate by 10%, it is **29.0301, 0.3452, 0.4930**.

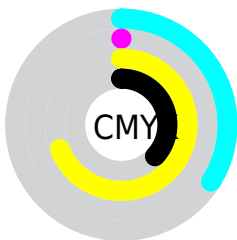
Distribution



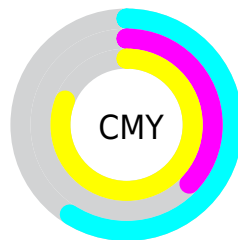
- Red (41%)
- Green (63%)
- Blue (19%)



- Red (19%)
- Yellow (63%)
- Blue (41%)



- Cyan (34%)
- Magenta (0%)
- Yellow (69%)
- Black (37%)



- Cyan (59%)
- Magenta (37%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.3666, 0.3465, 0.5186 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 28.3666, 0.3465, 0.5186 by changing the saturation by 10% instead.


 28.3666, 0.3465,
0.5186

 28.3666, 0.3465,
0.5186


294.2145, 0.3350,
0.4121

 18.6022, 0.3457,
0.5478


 57.0692, 0.3445,
0.4776

 11.3832, 0.3415,
0.5856


 76.7762, 0.3430,
0.4628

 6.3252, 0.3361,
0.6479


 100.5662, 0.3415,
0.4506

 3.0438, 0.2999,
0.7001

 128.8235, 0.3400,
0.4404

 1.1546, 0.1389,
0.8611

 161.9326, 0.3386,
0.4317

 0.0242, 0.0000,
1.0000

 200.2779, 0.3373,

 0.0000, 0.0000,

0.4243

0.0000

244.2437, 0.3361,
0.4178

■ 28.3666, 0.3465,
0.5186

■ 28.3666, 0.3465,
0.5186

■ 27.7982, 0.3457,
0.5403

■ 29.0301, 0.3452,
0.4930

■ 27.3147, 0.3428,
0.5570

■ 29.7907, 0.3421,
0.4648

■ 26.9044, 0.3383,
0.5691

■ 30.6549, 0.3375,
0.4356

■ 26.8810, 0.3380,
0.5698

■ 31.6273, 0.3318,
0.4065

■ 32.7124, 0.3256,
0.3784

■ 33.9143, 0.3190,
0.3520

■ 35.2368, 0.3123,
0.3276

■ 36.6836, 0.3058,
0.3053

■ 38.2583, 0.2995,
0.2852

Harmonies

Analogous

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



28.3666, 0.4343, 0.4857



28.3666, 0.3465, 0.5186



28.3666, 0.2548, 0.4721

Triad

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



28.3666, 0.3465, 0.5186



28.3666, 0.1520, 0.2028



28.3666, 0.4512, 0.2839

Complementary

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



28.3666, 0.3465, 0.5186



7.6721, 0.2396, 0.1398

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.



28.3666, 0.3504, 0.2291



28.3666, 0.3465, 0.5186



28.3666, 0.1852, 0.1836

Square

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



28.3666, 0.3465, 0.5186



28.3666, 0.1507, 0.2599



28.3666, 0.2524, 0.1937



28.3666, 0.5072, 0.3492

Rectangle

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



28.3666, 0.3465, 0.5186



28.3666, 0.2040, 0.4003



28.3666, 0.2524, 0.1937



28.3666, 0.4203, 0.2640

Sweetspot

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



28.3678, 0.3465, 0.5186



58.9837, 0.3269, 0.3839



17.3232, 0.4686, 0.4087



12.8230, 0.3285, 0.3911



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



28.3678, 0.3465, 0.5186



49.9984, 0.3444, 0.5497



26.0620, 0.3035, 0.5462



7.5573, 0.3189, 0.3516



20.9665, 0.3387, 0.5693



0.4000, 0.3699, 0.5445

Inverse Universe

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



7.6721, 0.2396, 0.1398



9.9422, 0.2201, 0.1089



12.0166, 0.3171, 0.1766



6.5884, 0.3061, 0.3064



3.3054, 0.2034, 0.0894



0.0842, 0.2485, 0.1143

Previews

White Background



This preview shows how the Yxy color 28.3666, 0.3465, 0.5186 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 28.3666, 0.3465, 0.5186 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 28.3666, 0.3465, 0.5186

Background



This preview shows how black text looks on a background with the Yxy color 28.3666, 0.3465, 0.5186.



This preview shows how white text looks on a background with the Yxy color 28.3666, 0.3465, 0.5186.

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

28.3666, 0.3465, 0.5186

Protanopia

28.1216, 0.4237, 0.4672

Deuteranopia

27.8900, 0.4444, 0.4348



Tritanopia

28.1330, 0.2754, 0.3091

Trichromacy



Original Color

28.3666, 0.3465, 0.5186

Protanomaly

27.6727, 0.3941, 0.4872

Deuteranomaly

27.2894, 0.4075, 0.4648

Tritanomaly

27.7834, 0.3051, 0.3880

Monochromacy



Original Color

28.3666, 0.3465, 0.5186

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

24.4232, 0.3317, 0.4041

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.3666, 0.3465, 0.5186 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(105, 160, 49)` looks like.

```
.text, #text, p{  
    color:rgb(105, 160, 49)  
}
```

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(105, 160, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 160, 49) }
```

Border

The CSS property to change the border of an element to Yxy 28.3666, 0.3465, 0.5186 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(105, 160, 49) }
```

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

```
.border{ border-color:rgb(105, 160, 49) }
```

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

Here you see how a box with a 4 pixel rgb(105, 160, 49) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 160, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 160, 49);  
box-shadow:4px 4px 4px 4px rgb(105, 160,  
49) }
```


Background

The CSS property to change the background color of an element to Yxy 28.3666, 0.3465, 0.5186 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 160, 49) }
```

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

```
.background{ background-color: rgb(105,  
160, 49) }
```

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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