

Converting Colors

$Yxy(30.6505, 0.2987, 0.5148)$

Have a look what the booklet for
Yxy(30.6505, 0.2987, 0.5148)
contains.

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Color

Yxy(30.6505, 0.2987, 0.5148)

Conversions

Conversions Part 1

Format	Color
Hex	3FAB48
RGB	63, 171, 72
RGB Percent	25%, 67%, 28%
CMY	0.7527, 0.3294, 0.7178
CMYK	0.63, 0.00, 0.58, 0.33
HSL	125°, 46%, 46%
HSV	125°, 63%, 67%
XYZ	17.7842, 30.6505, 11.1040
YIQ	127.4220, -32.5890, -53.6850

Conversions

Conversions Part 2

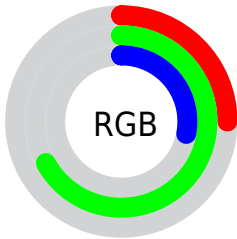
Format	Color
RYB	63, 163, 171
Decimal	4172616
CIELab	62.21, -51.14, 41.41
CIELCh	62, 65.800, 141.003
Yxy	30.6505, 0.2987, 0.5148
Android (android.graphics.Color)	4282362696 (0xFF3FAB48)
YUV	127.4220, -27.3230, -56.4981
Hunter-Lab	55.3629, -39.5456, 26.8624

Details

The Yxy color **30.6505, 0.2987, 0.5148** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **14.8306, 0.3316, 0.1959**, and the grayscale version is **21.4851, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.5058, 0.3054, 0.4729**, and **12.7731, 0.2943, 0.5794** is the 20% darker color. If you saturate the color by 10%, you get **29.9938, 0.2978, 0.5443**, and if you desaturate by 10%, it is **31.5369, 0.3003, 0.4824**.

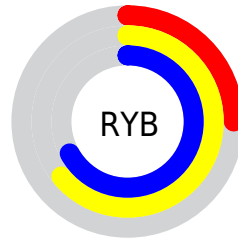
Distribution



Red (25%)

Green (67%)

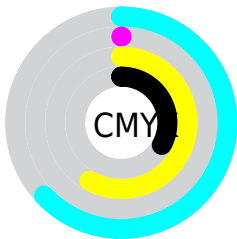
Blue (28%)



Red (25%)

Yellow (64%)

Blue (67%)

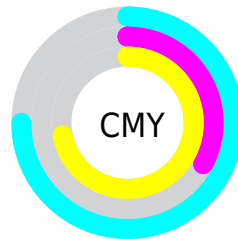


Cyan (63%)

Magenta (0%)

Yellow (58%)

Black (33%)



Cyan (75%)


Magenta (33%)


Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.6505, 0.2987, 0.5148 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 30.6505, 0.2987, 0.5148 by changing the saturation by 10% instead.


 30.6505, 0.2987,
0.5148


 30.6505, 0.2987,
0.5148

304.9249, 0.3116,
0.4083


 20.3329, 0.2925,
0.5459


 60.6894, 0.3054,
0.4727

 12.6372, 0.2821,
0.5881


 81.1794, 0.3072,
0.4579

 7.1792, 0.2636,
0.6473


 105.8291, 0.3085,
0.4458

 3.5744, 0.2376,
0.7624

 135.0227, 0.3095,
0.4358

 1.4385, 0.0248,
0.9752

 169.1447, 0.3103,
0.4273

 0.2448, 0.0000,
1.0000

208.5795, 0.3108,

 0.0000, 0.0000,

0.4200

0.0000

253.7114, 0.3113,
0.4138

■ 30.6505, 0.2987,
0.5148

■ 30.6505, 0.2987,
0.5148

■ 29.9938, 0.2978,
0.5443

■ 31.5369, 0.3003,
0.4824

■ 29.5421, 0.2976,
0.5687

■ 32.6673, 0.3023,
0.4492

■ 29.2719, 0.2981,
0.5862

■ 34.0596, 0.3047,
0.4171

■ 29.1578, 0.2984,
0.5941

■ 35.7288, 0.3071,
0.3871

■ 37.6886, 0.3096,
0.3600

■ 39.9521, 0.3120,
0.3359

■ 42.5314, 0.3143,
0.3148

■ 45.4379, 0.3163,
0.2965

■ 48.6826, 0.3183,
0.2807

Harmonies

Analogous

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



30.6505, 0.3941, 0.5154



30.6505, 0.2987, 0.5148



30.6505, 0.2120, 0.4241

Triad

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



30.6505, 0.2987, 0.5148



30.6505, 0.1601, 0.1848



30.6505, 0.4935, 0.3143

Complementary

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



30.6505, 0.2987, 0.5148



14.8306, 0.3316, 0.1959

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.



30.6505, 0.4062, 0.2519



30.6505, 0.2987, 0.5148



30.6505, 0.2108, 0.1811

Square

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



30.6505, 0.2987, 0.5148



30.6505, 0.1426, 0.2223



30.6505, 0.2973, 0.2048



30.6505, 0.5163, 0.3837

Rectangle

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



30.6505, 0.2987, 0.5148



30.6505, 0.1717, 0.3420



30.6505, 0.2973, 0.2048



30.6505, 0.4702, 0.2924

Sweetspot

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



30.6518, 0.2987, 0.5148



65.2564, 0.3081, 0.3765



37.3568, 0.3920, 0.4766



14.3430, 0.3074, 0.3842



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



30.6518, 0.2987, 0.5148



53.3337, 0.2976, 0.5553



31.6452, 0.2664, 0.4159



8.9497, 0.3105, 0.3504



21.9842, 0.2981, 0.5933



0.6150, 0.2905, 0.5656

Inverse Universe

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



14.8306, 0.3316, 0.1959



22.6248, 0.3362, 0.1780



13.3411, 0.4203, 0.2622



8.1365, 0.3150, 0.3085



8.3625, 0.3425, 0.1660



0.2359, 0.3352, 0.1620

Previews

White Background



This preview shows how the Yxy color 30.6505, 0.2987, 0.5148 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 30.6505, 0.2987, 0.5148 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 30.6505, 0.2987, 0.5148

Background



This preview shows how black text looks on a background with the Yxy color 30.6505, 0.2987, 0.5148.



This preview shows how white text looks on a background with the Yxy color 30.6505, 0.2987, 0.5148.

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

30.6505, 0.2987, 0.5148

Protanopia

29.9835, 0.4109, 0.4492

Deuteranopia

29.9925, 0.4233, 0.4142



Tritanopia

30.6805, 0.2466, 0.3088

Trichromacy



Original Color

30.6505, 0.2987, 0.5148



Protanomaly

29.1984, 0.3615, 0.4764



Deuteranomaly

28.8073, 0.3680, 0.4534



Tritanomaly

30.3933, 0.2663, 0.3816

Monochromacy



Original Color

30.6505, 0.2987, 0.5148



Achromatopsia

21.2231, 0.3127, 0.3290



Achromatomaly

23.6495, 0.3064, 0.3985

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.6505, 0.2987, 0.5148 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(63, 171, 72)` looks like.

```
.text, #text, p{  
    color:rgb(63, 171, 72)  
}
```

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(63, 171, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 171, 72) }
```

Border

The CSS property to change the border of an element to Yxy 30.6505, 0.2987, 0.5148 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(63, 171, 72) }
```

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

```
.border{ border-color:rgb(63, 171, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 171, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 171, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 171, 72);  
box-shadow:4px 4px 4px 4px rgb(63, 171,  
72) }
```


Background

The CSS property to change the background color of an element to Yxy 30.6505, 0.2987, 0.5148 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 171, 72) }
```

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

```
.background{ background-color: rgb(63, 171,  
72) }
```

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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