

Converting Colors

Yxy(30.5216, 0.3189, 0.5654)

Have a look what the booklet for
Yxy(30.5216, 0.3189, 0.5654)
contains.

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Color

Yxy(30.4537, 0.3189, 0.5648)

Conversions

Conversions Part 1

Format	Color
Hex	44AB1F
RGB	68, 171, 31
RGB Percent	27%, 67%, 12%
CMY	0.7333, 0.3294, 0.8783
CMYK	0.60, 0.00, 0.82, 0.33
HSL	104°, 69%, 40%
HSV	104°, 82%, 67%
XYZ	17.1949, 30.4537, 6.2708
YIQ	124.2430, -16.4480, -65.3760

Conversions

Conversions Part 2

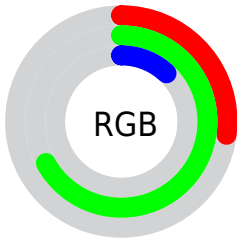
Format	Color
RYB	31, 171, 134
Decimal	4500255
CIELab	62.04, -53.61, 57.32
CIELCh	62, 78.485, 133.083
Yxy	30.4537, 0.3189, 0.5648
Android (android.graphics.Color)	4282690335 (0xFF44AB1F)
YUV	124.2430, -45.9688, -49.3251
Hunter-Lab	55.1849, -40.9552, 31.8921

Details

The Yxy color **30.4537, 0.3189, 0.5648** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **8.9942, 0.2678, 0.1363**, and the grayscale version is **20.4048, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.2319, 0.3253, 0.5139**, and **12.7226, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **29.9824, 0.3149, 0.5814**, and if you desaturate by 10%, it is **31.0725, 0.3218, 0.5416**.

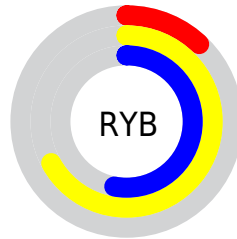
Distribution



Red (27%)

Green (67%)

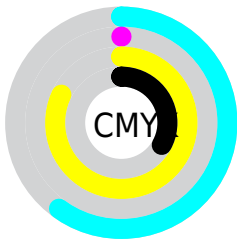
Blue (12%)



Red (12%)

Yellow (67%)

Blue (53%)

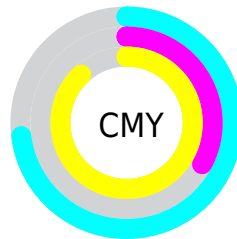


Cyan (60%)

Magenta (0%)

Yellow (82%)

Black (33%)



Cyan (73%)


Magenta (33%)

Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.4537, 0.3189, 0.5648 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 30.4537, 0.3189, 0.5648 by changing the saturation by 10% instead.


 30.4537, 0.3189,
0.5648


 30.4537, 0.3189,
0.5648


304.0136, 0.3258,
0.4317

 20.1832, 0.3117,
0.6008

 60.3789, 0.3250,
0.5136


 12.5283, 0.2982,
0.6469


 80.8025, 0.3261,
0.4951

 7.1045, 0.2790,
0.7210


 105.3792, 0.3265,
0.4798

 3.5276, 0.2247,
0.7753

 134.4934, 0.3267,
0.4670

 1.4130, 0.0000,
1.0000

 168.5296, 0.3266,
0.4561

 0.2263, 0.0000,
1.0000

 207.8720, 0.3264,

 0.0000, 0.0000,

0.4468

0.0000

252.9052, 0.3261,
0.4387

■ 30.4537, 0.3189,
0.5648

■ 30.4537, 0.3189,
0.5648

■ 29.9824, 0.3149,
0.5814

■ 31.0725, 0.3218,
0.5416

■ 29.6882, 0.3115,
0.5909

■ 31.8474, 0.3233,
0.5134

■ 32.7905, 0.3236,
0.4820

■ 33.9117, 0.3228,
0.4495

■ 35.2198, 0.3211,
0.4174

■ 36.7234, 0.3188,
0.3870

■ 38.4302, 0.3162,
0.3589

■ 40.3477, 0.3133,
0.3334

■ 42.4828, 0.3103,
0.3107

Harmonies

Analogous

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



30.4537, 0.4261, 0.5276



30.4537, 0.3189, 0.5648



30.4537, 0.2153, 0.4834

Triad

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



30.4537, 0.3189, 0.5648



30.4537, 0.1307, 0.1698



30.4537, 0.5065, 0.2883

Complementary

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



30.4537, 0.3189, 0.5648



8.9942, 0.2678, 0.1363

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.



30.4537, 0.3881, 0.2231



30.4537, 0.3189, 0.5648



30.4537, 0.1758, 0.1585

Square

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



30.4537, 0.3189, 0.5648



30.4537, 0.1201, 0.2212



30.4537, 0.2627, 0.1774



30.4537, 0.5519, 0.3622

Rectangle

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



30.4537, 0.3189, 0.5648



30.4537, 0.1635, 0.3812



30.4537, 0.2627, 0.1774



30.4537, 0.4724, 0.2652

Sweetspot

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



30.4550, 0.3189, 0.5648



64.7583, 0.3197, 0.3977



25.7192, 0.4545, 0.4580



14.2373, 0.3205, 0.4081



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.



30.4550, 0.3189, 0.5648



53.1921, 0.3114, 0.5898



29.7854, 0.2889, 0.5363



9.0378, 0.3154, 0.3522



22.4024, 0.3121, 0.5904



0.6499, 0.3355, 0.5718

Inverse Universe

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



8.9942, 0.2678, 0.1363



13.3007, 0.2555, 0.1188



11.4855, 0.3736, 0.1959



8.0401, 0.3097, 0.3064



5.5777, 0.2559, 0.1184



0.1798, 0.2767, 0.1298

Previews

White Background



This preview shows how the Yxy color 30.4537, 0.3189, 0.5648 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 30.4537, 0.3189, 0.5648 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

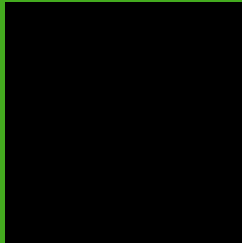
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.4537, 0.3189, 0.5648

Background



This preview shows how black text looks on a background with the Yxy color 30.4537, 0.3189, 0.5648.



This preview shows how white text looks on a background with the Yxy color 30.4537, 0.3189, 0.5648.

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

30.4537, 0.3189, 0.5648

Protanopia

29.8899, 0.4351, 0.4804

Deuteranopia

29.8118, 0.4550, 0.4446



Tritanopia

30.2077, 0.2498, 0.3072

Trichromacy



Original Color

30.4537, 0.3189, 0.5648



Protanomaly

29.0986, 0.3862, 0.5162



Deuteranomaly

28.5459, 0.3984, 0.4916



Tritanomaly

29.5062, 0.2799, 0.4069

Monochromacy



Original Color

30.4537, 0.3189, 0.5648



Achromatopsia

20.1556, 0.3127, 0.3290



Achromatomaly

22.7310, 0.3224, 0.4291

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.4537, 0.3189, 0.5648 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(68, 171, 31)` looks like.

```
.text, #text, p{  
    color:rgb(68, 171, 31)  
}
```

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(68, 171, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 171, 31) }
```

Border

The CSS property to change the border of an element to Yxy 30.4537, 0.3189, 0.5648 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(68, 171, 31) }
```

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

```
.border{ border-color:rgb(68, 171, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 171, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 171, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 171, 31);  
box-shadow:4px 4px 4px 4px rgb(68, 171,  
31) }
```


Background

The CSS property to change the background color of an element to Yxy 30.4537, 0.3189, 0.5648 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 171, 31) }
```

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

```
.background{ background-color: rgb(68, 171,  
31) }
```

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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