

Converting Colors

$Y_{xy}(30.7423, 0.3295, 0.5112)$

Have a look what the booklet for
Yxy(30.7423, 0.3295, 0.5112)
contains.

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Color

Yxy(30.5930, 0.3297, 0.5106)

Conversions

Conversions Part 1

Format	Color
Hex	62A73F
RGB	98, 167, 63
RGB Percent	38%, 65%, 25%
CMY	0.6156, 0.3451, 0.7529
CMYK	0.41, 0.00, 0.62, 0.35
HSL	100°, 45%, 45%
HSV	100°, 62%, 65%
XYZ	19.7542, 30.5930, 9.5686
YIQ	134.5130, -7.7400, -46.9720

Conversions

Conversions Part 2

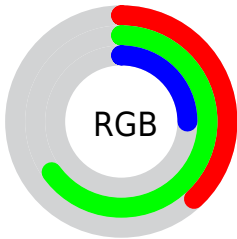
Format	Color
RYB	63, 167, 132
Decimal	6465343
CIELab	62.16, -40.74, 45.84
CIELCh	62, 61.328, 131.623
Yxy	30.5930, 0.3297, 0.5106
Android (android.graphics.Color)	4284655423 (0xFF62A73F)
YUV	134.5130, -35.2559, -32.0219
Hunter-Lab	55.3109, -33.0431, 28.4607

Details

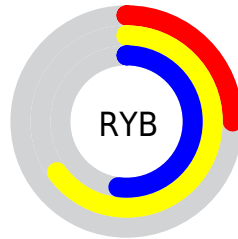
The Yxy color **30.5930, 0.3297, 0.5106** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **11.2530, 0.2715, 0.1672**, and the grayscale version is **24.1760, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.7855, 0.3301, 0.4708**, and **12.5378, 0.3221, 0.5769** is the 20% darker color. If you saturate the color by 10%, you get **29.8606, 0.3286, 0.5378**, and if you desaturate by 10%, it is **31.4700, 0.3293, 0.4803**.

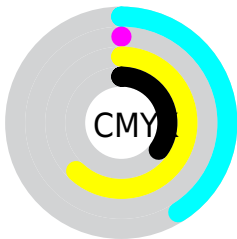
Distribution



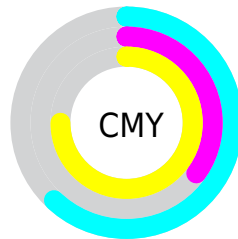
- Red (38%)
- Green (65%)
- Blue (25%)



- Red (25%)
- Yellow (65%)
- Blue (52%)



- Cyan (41%)
- Magenta (0%)
- Yellow (62%)
- Black (35%)





- Cyan (62%)
- Magenta (35%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.5930, 0.3297, 0.5106 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 30.5930, 0.3297, 0.5106 by changing the saturation by 10% instead.

 30.5930, 0.3297,
0.5106


 30.5930, 0.3297,
0.5106


304.6589, 0.3263,
0.4084

 20.2891, 0.3275,
0.5392


 60.5987, 0.3304,
0.4709


 12.6054, 0.3223,
0.5772


 81.0694, 0.3300,
0.4567


 7.1574, 0.3109,
0.6300


 105.6977, 0.3294,
0.4450

 3.5607, 0.2881,
0.7119

 134.8681, 0.3288,
0.4353

 1.4310, 0.1663,
0.8337

 168.9651, 0.3281,
0.4270

 0.2394, 0.0000,
1.0000

208.3729, 0.3275,

 0.0000, 0.0000,

0.4199

0.0000

253.4761, 0.3269,
0.4138

■ 30.5930, 0.3297,
0.5106

■ 30.5930, 0.3297,
0.5106

■ 29.8606, 0.3286,
0.5378

■ 31.4700, 0.3293,
0.4803

■ 29.2602, 0.3258,
0.5602

■ 32.4955, 0.3276,
0.4488

■ 28.7828, 0.3216,
0.5765

■ 33.6782, 0.3249,
0.4175

■ 28.4845, 0.3179,
0.5858

■ 35.0248, 0.3215,
0.3876

■ 36.5417, 0.3177,
0.3598

■ 38.2349, 0.3136,
0.3344

■ 40.1100, 0.3096,
0.3115

■ 42.1724, 0.3056,
0.2912

■ 44.4273, 0.3018,
0.2731

Harmonies

Analogous

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



30.5930, 0.4175, 0.4914



30.5930, 0.3297, 0.5106



30.5930, 0.2421, 0.4500

Triad

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



30.5930, 0.3297, 0.5106



30.5930, 0.1594, 0.2003



30.5930, 0.4613, 0.2967

Complementary

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



30.5930, 0.3297, 0.5106



11.2530, 0.2715, 0.1672

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.



30.5930, 0.3684, 0.2403



30.5930, 0.3297, 0.5106



30.5930, 0.1980, 0.1869

Square

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



30.5930, 0.3297, 0.5106



30.5930, 0.1525, 0.2489



30.5930, 0.2699, 0.2016



30.5930, 0.5043, 0.3619

Rectangle

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



30.5930, 0.3297, 0.5106



30.5930, 0.1962, 0.3771



30.5930, 0.2699, 0.2016



30.5930, 0.4339, 0.2765

Sweetspot

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



30.5943, 0.3297, 0.5106



63.4880, 0.3204, 0.3793



24.7019, 0.4311, 0.4277



14.0462, 0.3214, 0.3872



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



30.5943, 0.3297, 0.5106



53.0097, 0.3276, 0.5476



29.2541, 0.2948, 0.4994



8.5258, 0.3165, 0.3520



21.8209, 0.3186, 0.5852



0.5588, 0.3460, 0.5634

Inverse Universe

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



11.2530, 0.2715, 0.1672



15.3382, 0.2588, 0.1382



14.0200, 0.3417, 0.2053



7.5383, 0.3086, 0.3064



4.7386, 0.2390, 0.1090



0.1416, 0.2671, 0.1245

Previews

White Background



This preview shows how the Yxy color 30.5930, 0.3297, 0.5106 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 30.5930, 0.3297, 0.5106 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

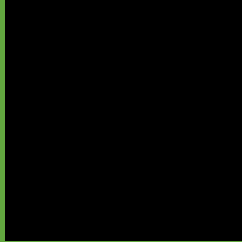
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.5930, 0.3297, 0.5106

Background



This preview shows how black text looks on a background with the Yxy color 30.5930, 0.3297, 0.5106.



This preview shows how white text looks on a background with the Yxy color 30.5930, 0.3297, 0.5106.

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

30.5930, 0.3297, 0.5106

Protanopia

30.3337, 0.4161, 0.4572

Deuteranopia

30.1025, 0.4344, 0.4248



Tritanopia

30.2863, 0.2654, 0.3078

Trichromacy



Original Color

30.5930, 0.3297, 0.5106

Protanomaly

29.8540, 0.3818, 0.4777

Deuteranomaly

29.3108, 0.3930, 0.4568

Tritanomaly

30.0045, 0.2914, 0.3817

Monochromacy



Original Color

30.5930, 0.3297, 0.5106

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

26.1091, 0.3229, 0.3973

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.5930, 0.3297, 0.5106 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(98, 167, 63)` looks like.

```
.text, #text, p{  
    color:rgb(98, 167, 63)  
}
```

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(98, 167, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 167, 63) }
```

Border

The CSS property to change the border of an element to Yxy 30.5930, 0.3297, 0.5106 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(98, 167, 63) }
```

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

```
.border{ border-color:rgb(98, 167, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 167, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 167, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 167, 63);  
box-shadow:4px 4px 4px 4px rgb(98, 167,  
63) }
```


Background

The CSS property to change the background color of an element to Yxy 30.5930, 0.3297, 0.5106 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 167, 63) }
```

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

```
.background{ background-color: rgb(98, 167,  
63) }
```

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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