

Converting Colors

Yxy(31.5869, 0.3354, 0.5266)

Have a look what the booklet for
Yxy(31.5869, 0.3354, 0.5266)
contains.

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Color

Yxy(31.6500, 0.3352, 0.5267)

Conversions

Conversions Part 1

Format	Color
Hex	63AA34
RGB	99, 170, 52
RGB Percent	39%, 67%, 20%
CMY	0.6117, 0.3333, 0.7960
CMYK	0.42, 0.00, 0.69, 0.33
HSL	96°, 53%, 44%
HSV	96°, 69%, 67%
XYZ	20.1425, 31.6500, 8.2986
YIQ	135.3190, -4.4380, -51.7500

Conversions

Conversions Part 2

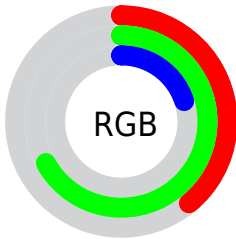
Format	Color
RYB	52, 170, 123
Decimal	6531636
CIELab	63.05, -42.64, 51.50
CIELCh	63, 66.864, 129.625
Yxy	31.6500, 0.3352, 0.5267
Android (android.graphics.Color)	4284721716 (0xFF63AA34)
YUV	135.3190, -41.0763, -31.8518
Hunter-Lab	56.2583, -34.5425, 30.6351

Details

The Yxy color **31.6500, 0.3352, 0.5267** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **9.5711, 0.2553, 0.1467**, and the grayscale version is **24.5138, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.3812, 0.3360, 0.4844**, and **13.2148, 0.3224, 0.5823** is the 20% darker color. If you saturate the color by 10%, you get **30.9845, 0.3333, 0.5499**, and if you desaturate by 10%, it is **32.4464, 0.3353, 0.4993**.

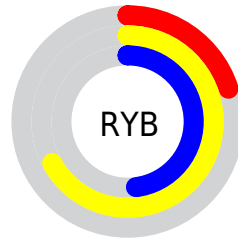
Distribution



Red (39%)

Green (67%)

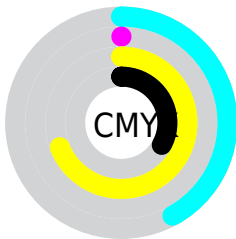
Blue (20%)



Red (20%)

Yellow (67%)

Blue (48%)

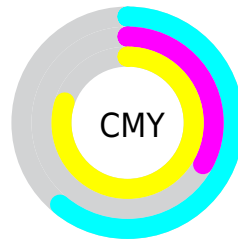


Cyan (42%)

Magenta (0%)

Yellow (69%)

Black (33%)



Cyan (61%)

Magenta (33%)

Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.6500, 0.3352, 0.5267 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 31.6500, 0.3352, 0.5267 by changing the saturation by 10% instead.


 31.6500, 0.3352,
0.5267


 31.6500, 0.3352,
0.5267


309.5218, 0.3304,
0.4165


 21.0943, 0.3327,
0.5566


 62.2620, 0.3358,
0.4845

 13.1930, 0.3264,
0.5953


 83.0871, 0.3353,
0.4692


 7.5616, 0.3152,
0.6518


 108.1041, 0.3345,
0.4565

 3.8157, 0.2835,
0.7165

 137.6974, 0.3337,
0.4459

 1.5710, 0.1746,
0.8254

 172.2515, 0.3328,
0.4369

 0.3379, 0.0000,
1.0000

 212.1506, 0.3320,

 0.0000, 0.0000,

0.4292

0.0000

257.7793, 0.3311,
0.4224

■ 31.6500, 0.3352,
0.5267

■ 31.6500, 0.3352,
0.5267

■ 30.9845, 0.3333,
0.5499

■ 32.4464, 0.3353,
0.4993

■ 30.4368, 0.3296,
0.5676

■ 33.3774, 0.3337,
0.4694

■ 29.9927, 0.3246,
0.5800

■ 34.4516, 0.3308,
0.4386

■ 29.9683, 0.3243,
0.5807

■ 35.6755, 0.3269,
0.4082

■ 37.0553, 0.3223,
0.3792

■ 38.5967, 0.3174,
0.3522

■ 40.3051, 0.3124,
0.3276

■ 42.1857, 0.3074,
0.3054

■ 44.2434, 0.3026,
0.2855

Harmonies

Analogous

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



31.6500, 0.4279, 0.4976



31.6500, 0.3352, 0.5267



31.6500, 0.2417, 0.4679

Triad

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



31.6500, 0.3352, 0.5267



31.6500, 0.1491, 0.1939



31.6500, 0.4672, 0.2892

Complementary

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



31.6500, 0.3352, 0.5267



9.5711, 0.2553, 0.1467

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.



31.6500, 0.3647, 0.2312



31.6500, 0.3352, 0.5267



31.6500, 0.1869, 0.1785

Square

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



31.6500, 0.3352, 0.5267



31.6500, 0.1437, 0.2472



31.6500, 0.2603, 0.1922



31.6500, 0.5172, 0.3567

Rectangle

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



31.6500, 0.3352, 0.5267



31.6500, 0.1919, 0.3888



31.6500, 0.2603, 0.1922



31.6500, 0.4366, 0.2684

Sweetspot

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



31.6514, 0.3352, 0.5267



66.7142, 0.3233, 0.3848



22.9127, 0.4528, 0.4278



14.7253, 0.3245, 0.3925



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.



31.6514, 0.3352, 0.5267



55.6853, 0.3316, 0.5597



29.8480, 0.2970, 0.5305



8.5481, 0.3174, 0.3519



22.0759, 0.3251, 0.5801



0.5670, 0.3532, 0.5578

Inverse Universe

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



9.5711, 0.2553, 0.1467



12.9756, 0.2394, 0.1188



13.4796, 0.3368, 0.1892



7.5153, 0.3077, 0.3063



4.2576, 0.2251, 0.1013



0.1321, 0.2574, 0.1192

Previews

White Background



This preview shows how the Yxy color 31.6500, 0.3352, 0.5267 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 31.6500, 0.3352, 0.5267 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

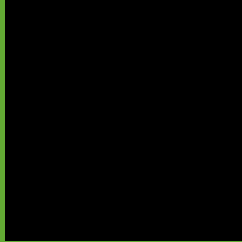
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.6500, 0.3352, 0.5267

Background



This preview shows how black text looks on a background with the Yxy color 31.6500, 0.3352, 0.5267.



This preview shows how white text looks on a background with the Yxy color 31.6500, 0.3352, 0.5267.

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

31.6500, 0.3352, 0.5267

Protanopia

31.2078, 0.4243, 0.4676

Deuteranopia

31.1023, 0.4439, 0.4341



Tritanopia

31.6264, 0.2661, 0.3081

Trichromacy



Original Color

31.6500, 0.3352, 0.5267

Protanomaly

30.9473, 0.3882, 0.4913

Deuteranomaly

30.1559, 0.4011, 0.4677

Tritanomaly

31.1324, 0.2948, 0.3898

Monochromacy



Original Color

31.6500, 0.3352, 0.5267

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

26.3373, 0.3265, 0.4062

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.6500, 0.3352, 0.5267 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(99, 170, 52)` looks like.

```
.text, #text, p{  
    color:rgb(99, 170, 52)  
}
```

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(99, 170, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 170, 52) }
```

Border

The CSS property to change the border of an element to Yxy 31.6500, 0.3352, 0.5267 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(99, 170, 52) }
```

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

```
.border{ border-color:rgb(99, 170, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 170, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 170, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 170, 52);  
box-shadow:4px 4px 4px 4px rgb(99, 170,  
52) }
```


Background

The CSS property to change the background color of an element to Yxy 31.6500, 0.3352, 0.5267 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 170, 52) }
```

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

```
.background{ background-color: rgb(99, 170,  
52) }
```

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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