

Converting Colors

Yxy(31.5809, 0.3623, 0.5506)

Have a look what the booklet for
Yxy(31.5809, 0.3623, 0.5506)
contains.

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Color

Yxy(31.4500, 0.3622, 0.5506)

Conversions

Conversions Part 1

Format	Color
Hex	70A800
RGB	112, 168, 0
RGB Percent	44%, 66%, 0%
CMY	0.5606, 0.3412, 0.9998
CMYK	0.33, 0.00, 1.00, 0.34
HSL	80°, 100%, 33%
HSV	80°, 100%, 66%
XYZ	20.6887, 31.4500, 4.9808
YIQ	132.1040, 20.5520, -64.1200

Conversions

Conversions Part 2

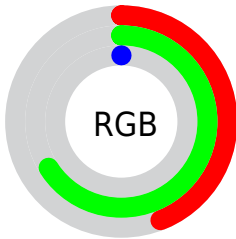
Format	Color
RYB	0, 168, 56
Decimal	7383040
CIELab	62.89, -39.25, 64.48
CIELCh	63, 75.490, 121.332
Yxy	31.4500, 0.3622, 0.5506
Android (android.graphics.Color)	4285573120 (0xFF70A800)
YUV	132.1040, -65.1273, -17.6312
Hunter-Lab	56.0803, -32.2898, 33.9903

Details

The Yxy color **31.4500, 0.3622, 0.5506** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **3.6686, 0.1752, 0.0739**, and the grayscale version is **23.3536, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.2543, 0.3604, 0.5066**, and **13.1022, 0.3377, 0.5701** is the 20% darker color. If you saturate the color by 10%, you get **31.4504, 0.3622, 0.5506**, and if you desaturate by 10%, it is **31.8701, 0.3652, 0.5408**.

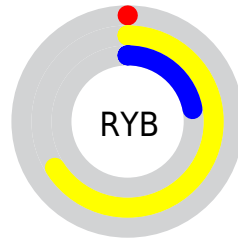
Distribution



Red (44%)

Green (66%)

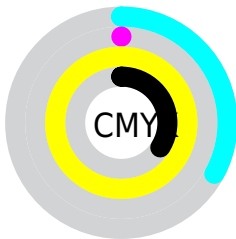
Blue (0%)



Red (0%)

Yellow (66%)

Blue (22%)

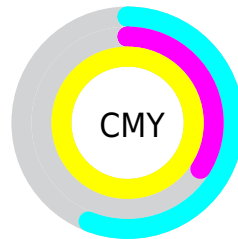


Cyan (33%)

Magenta (0%)

Yellow (100%)

Black (34%)



Cyan (56%)

Magenta (34%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.4500, 0.3622, 0.5506 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 31.4500, 0.3622, 0.5506 by changing the saturation by 10% instead.


 31.4500, 0.3622,
0.5506


 31.4500, 0.3622,
0.5506


308.6061, 0.3471,
0.4313

 20.9418, 0.3601,
0.5797


 61.9479, 0.3605,
0.5068


 13.0814, 0.3534,
0.6155

 82.7063, 0.3586,
0.4903

 7.4846, 0.3387,
0.6613


 107.6502, 0.3565,
0.4764

 3.7670, 0.2992,
0.7008

 137.1640, 0.3545,
0.4646

 1.5441, 0.2048,
0.7952

 171.6321, 0.3524,
0.4545

 0.3195, 0.0000,
1.0000

 211.4389, 0.3505,

 0.0000, 0.0000,

0.4457

0.0000

■ 256.9688, 0.3488,
0.4380

■ 31.4500, 0.3622,
0.5506

■ 31.4500, 0.3622,
0.5506

■ 31.4504, 0.3622,
0.5506

■ 31.8701, 0.3652,
0.5408

■ 32.3456, 0.3664,
0.5270

■ 32.8920, 0.3651,
0.5085

■ 33.5157, 0.3615,
0.4861

■ 34.2223, 0.3558,
0.4609

■ 35.0168, 0.3486,
0.4339

■ 35.9037, 0.3402,
0.4065

■ 36.8871, 0.3312,
0.3794

■ 37.9708, 0.3219,
0.3534

Harmonies

Analogous

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



31.4500, 0.4606, 0.4922



31.4500, 0.3622, 0.5506



31.4500, 0.2576, 0.5191

Triad

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



31.4500, 0.3622, 0.5506



31.4500, 0.1289, 0.1902



31.4500, 0.4586, 0.2644

Complementary

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



31.4500, 0.3622, 0.5506



3.6686, 0.1752, 0.0739

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.



31.4500, 0.3355, 0.2070



31.4500, 0.3622, 0.5506



31.4500, 0.1593, 0.1651

Square

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



31.4500, 0.3622, 0.5506



31.4500, 0.1319, 0.2607



31.4500, 0.2272, 0.1722



31.4500, 0.5348, 0.3342

Rectangle

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



31.4500, 0.3622, 0.5506



31.4500, 0.1974, 0.4367



31.4500, 0.2272, 0.1722



31.4500, 0.4195, 0.2434

Sweetspot

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



31.4514, 0.3622, 0.5506



65.0584, 0.3407, 0.4080



10.8915, 0.5907, 0.3691



14.0348, 0.3442, 0.4191



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.



31.4514, 0.3622, 0.5506



56.9525, 0.3612, 0.5514



28.2927, 0.3063, 0.5950



8.6468, 0.3213, 0.3517



23.7800, 0.3627, 0.5502



0.6048, 0.3822, 0.5347

Inverse Universe

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



3.6686, 0.1752, 0.0739



6.5492, 0.1735, 0.0729



8.1636, 0.2752, 0.1290



7.4174, 0.3036, 0.3060



2.7948, 0.1761, 0.0744



0.0958, 0.2152, 0.0959

Previews

White Background



This preview shows how the Yxy color 31.4500, 0.3622, 0.5506 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 31.4500, 0.3622, 0.5506 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

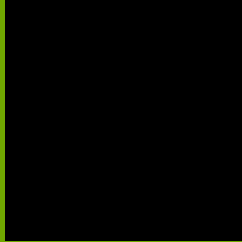
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.4500, 0.3622, 0.5506

Background



This preview shows how black text looks on a background with the Yxy color 31.4500, 0.3622, 0.5506.



This preview shows how white text looks on a background with the Yxy color 31.4500, 0.3622, 0.5506.

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

31.4500, 0.3622, 0.5506

Protanopia

31.1144, 0.4402, 0.4887

Deuteranopia

31.1272, 0.4627, 0.4541



Tritanopia

31.3086, 0.2769, 0.3084

Trichromacy



Original Color

31.4500, 0.3622, 0.5506

Protanomaly

30.9377, 0.4106, 0.5122

Deuteranomaly

30.5144, 0.4255, 0.4914

Tritanomaly

30.4353, 0.3225, 0.4186

Monochromacy



Original Color

31.4500, 0.3622, 0.5506

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

25.2509, 0.3502, 0.4381

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.4500, 0.3622, 0.5506 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(112, 168, 0)` looks like.

```
.text, #text, p{  
    color:rgb(112, 168, 0)  
}
```

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(112, 168, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 168, 0) }
```

Border

The CSS property to change the border of an element to Yxy 31.4500, 0.3622, 0.5506 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(112, 168, 0) }
```

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

```
.border{ border-color:rgb(112, 168, 0) }
```

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

Here you see how a box with a 4 pixel rgb(112, 168, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 168, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 168, 0);  
box-shadow:4px 4px 4px 4px rgb(112, 168,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 31.4500, 0.3622, 0.5506 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 168, 0) }
```

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

```
.background{ background-color: rgb(112,  
168, 0) }
```

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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