

Converting Colors

$Yxy(32.0378, 0.3460, 0.4587)$

Have a look what the booklet for
Yxy(32.0378, 0.3460, 0.4587)
contains.

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Color

Yxy(31.9686, 0.3460, 0.4578)

Conversions

Conversions Part 1

Format	Color
Hex	82A456
RGB	130, 164, 86
RGB Percent	51%, 64%, 34%
CMY	0.4902, 0.3569, 0.6627
CMYK	0.21, 0.00, 0.48, 0.36
HSL	86°, 31%, 49%
HSV	86°, 48%, 64%
XYZ	24.1615, 31.9686, 13.7008
YIQ	144.9420, 4.7740, -31.4660

Conversions

Conversions Part 2

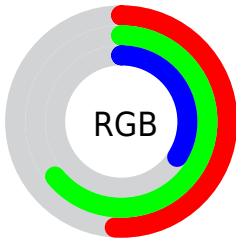
Format	Color
RYB	86, 164, 120
Decimal	8561750
CIELab	63.32, -25.15, 36.53
CIELCh	63, 44.350, 124.541
Yxy	31.9686, 0.3460, 0.4578
Android (android.graphics.Color)	4286751830 (0xFF82A456)
YUV	144.9420, -29.0584, -13.1041
Hunter-Lab	56.5408, -22.6682, 25.2115

Details

The Yxy color **31.9686, 0.3460, 0.4578** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **13.3291, 0.2619, 0.1964**, and the grayscale version is **28.4103, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.6595, 0.3412, 0.4309**, and **13.3416, 0.3505, 0.5044** is the 20% darker color. If you saturate the color by 10%, you get **31.1894, 0.3504, 0.4853**, and if you desaturate by 10%, it is **32.8505, 0.3402, 0.4293**.

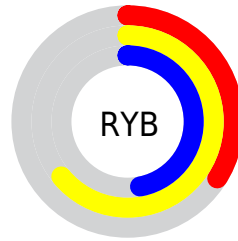
Distribution



Red (51%)

Green (64%)

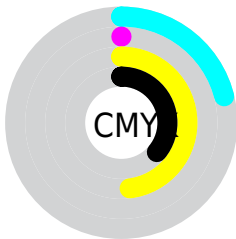
Blue (34%)



Red (34%)

Yellow (64%)

Blue (47%)

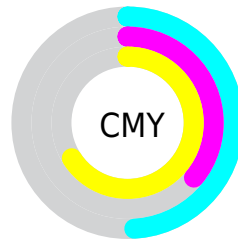


Cyan (21%)

Magenta (0%)

Yellow (48%)

Black (36%)



Cyan (49%)

Magenta (36%)


Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.9686, 0.3460, 0.4578 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 31.9686, 0.3460, 0.4578 by changing the saturation by 10% instead.


 31.9686, 0.3460,
0.4578


 31.9686, 0.3460,
0.4578


310.9762, 0.3310,
0.3869


 21.3375, 0.3486,
0.4774


 62.7619, 0.3413,
0.4305

 13.3709, 0.3508,
0.5036


 83.6928, 0.3392,
0.4207

 7.6845, 0.3515,
0.5395


 108.8259, 0.3374,
0.4126

 3.8937, 0.3552,
0.6050

 138.5454, 0.3358,
0.4058

 1.6143, 0.3278,
0.6722

 173.2358, 0.3344,
0.4000

 0.3672, 0.0000,
1.0000

213.2815, 0.3332,

 0.0000, 0.0000,

0.3951

0.0000

259.0668, 0.3320,
0.3907

■ 31.9686, 0.3460,
0.4578

■ 31.9686, 0.3460,
0.4578

■ 31.1894, 0.3504,
0.4853

■ 32.8505, 0.3402,
0.4293

■ 30.5038, 0.3529,
0.5104

■ 33.8355, 0.3334,
0.4008

■ 29.9076, 0.3532,
0.5319

■ 34.9293, 0.3261,
0.3733

■ 29.3944, 0.3513,
0.5487

■ 36.1358, 0.3185,
0.3474

■ 28.9543, 0.3473,
0.5606

■ 37.4587, 0.3109,
0.3233

■ 28.8541, 0.3463,
0.5632

■ 38.9017, 0.3035,
0.3013

■ 40.4681, 0.2964,
0.2814

■ 42.1611, 0.2898,
0.2635

■ 43.9839, 0.2836,
0.2474

Harmonies

Analogous

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



31.9686, 0.4079, 0.4427



31.9686, 0.3460, 0.4578



31.9686, 0.2786, 0.4259

Triad

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



31.9686, 0.3460, 0.4578



31.9686, 0.1927, 0.2408



31.9686, 0.4055, 0.2962

Complementary

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



31.9686, 0.3460, 0.4578



13.3291, 0.2619, 0.1964

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.



31.9686, 0.3367, 0.2541



31.9686, 0.3460, 0.4578



31.9686, 0.2176, 0.2221

Square

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



31.9686, 0.3460, 0.4578



31.9686, 0.1944, 0.2870



31.9686, 0.2678, 0.2277



31.9686, 0.4474, 0.3471

Rectangle

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



31.9686, 0.3460, 0.4578



31.9686, 0.2397, 0.3818



31.9686, 0.2678, 0.2277



31.9686, 0.3842, 0.2808

Sweetspot

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



31.9700, 0.3460, 0.4578



64.0995, 0.3236, 0.3646



21.9499, 0.4124, 0.3822



13.9176, 0.3251, 0.3700



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



31.9700, 0.3460, 0.4578



56.5443, 0.3505, 0.4867



29.4582, 0.3100, 0.4734



8.0829, 0.3198, 0.3516



22.1516, 0.3470, 0.5627



0.4927, 0.3736, 0.5416

Inverse Universe

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



13.3291, 0.2619, 0.1964



18.5870, 0.2472, 0.1657



16.6868, 0.3112, 0.2138



7.0039, 0.3052, 0.3062



3.1236, 0.1923, 0.0833



0.0934, 0.2355, 0.1071

Previews

White Background



This preview shows how the Yxy color 31.9686, 0.3460, 0.4578 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 31.9686, 0.3460, 0.4578 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

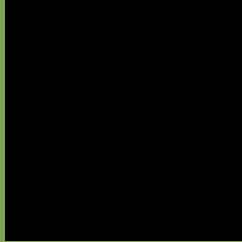
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.9686, 0.3460, 0.4578

Background



This preview shows how black text looks on a background with the Yxy color 31.9686, 0.3460, 0.4578.



This preview shows how white text looks on a background with the Yxy color 31.9686, 0.3460, 0.4578.

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

31.9686, 0.3460, 0.4578

Protanopia

31.7165, 0.3962, 0.4324

Deuteranopia

31.7351, 0.4140, 0.4058



Tritanopia

31.8954, 0.2889, 0.3105

Trichromacy



Original Color

31.9686, 0.3460, 0.4578

Protanomaly

31.6085, 0.3773, 0.4426

Deuteranomaly

31.6107, 0.3879, 0.4240

Tritanomaly

31.6071, 0.3102, 0.3614

Monochromacy



Original Color

31.9686, 0.3460, 0.4578

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

29.4872, 0.3268, 0.3753

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.9686, 0.3460, 0.4578 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(130, 164, 86)` looks like.

```
.text, #text, p{  
    color:rgb(130, 164, 86)  
}
```

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(130, 164, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 164, 86) }
```

Border

The CSS property to change the border of an element to Yxy 31.9686, 0.3460, 0.4578 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(130, 164, 86) }
```

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

```
.border{ border-color:rgb(130, 164, 86) }
```

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

Here you see how a box with a 4 pixel rgb(130, 164, 86) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 164, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 164, 86);  
box-shadow:4px 4px 4px 4px rgb(130, 164,  
86) }
```


Background

The CSS property to change the background color of an element to Yxy 31.9686, 0.3460, 0.4578 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 164, 86) }
```

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

```
.background{ background-color: rgb(130,  
164, 86) }
```

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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