

Converting Colors

$Yxy(32.1198, 0.3628, 0.4956)$

Have a look what the booklet for
Yxy(32.1198, 0.3628, 0.4956)
contains.

Yxy(31.9823, 0.3630, 0.4945)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(31.9823, 0.3630, 0.4945)

Conversions

Conversions Part 1

Format	Color
Hex	82A53C
RGB	130, 165, 60
RGB Percent	51%, 65%, 24%
CMY	0.4902, 0.3529, 0.7645
CMYK	0.21, 0.00, 0.64, 0.35
HSL	80°, 47%, 44%
HSV	80°, 64%, 65%
XYZ	23.4774, 31.9823, 9.2163
YIQ	142.5650, 12.8450, -40.0750

Conversions

Conversions Part 2

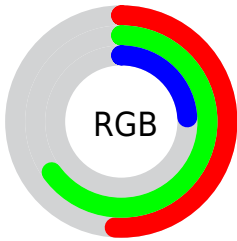
Format	Color
RYB	60, 165, 95
Decimal	8561980
CIELab	63.33, -28.21, 48.96
CIELCh	63, 56.506, 119.953
Yxy	31.9823, 0.3630, 0.4945
Android (android.graphics.Color)	4286752060 (0xFF82A53C)
YUV	142.5650, -40.7045, -11.0195
Hunter-Lab	56.5529, -24.8650, 29.9246

Details

The Yxy color **31.9823, 0.3630, 0.4945** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **8.3884, 0.2263, 0.1445**, and the grayscale version is **27.4493, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.6705, 0.3566, 0.4606**, and **13.3880, 0.3665, 0.5472** is the 20% darker color. If you saturate the color by 10%, you get **31.4119, 0.3658, 0.5156**, and if you desaturate by 10%, it is **32.6333, 0.3580, 0.4701**.

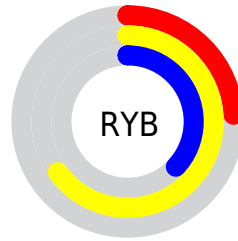
Distribution



Red (51%)

Green (65%)

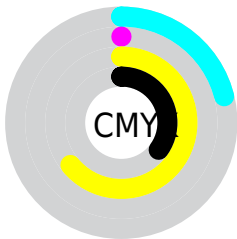
Blue (24%)



Red (24%)

Yellow (65%)

Blue (37%)

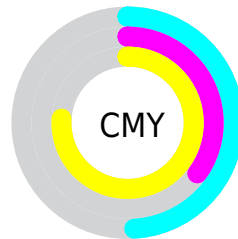


Cyan (21%)

Magenta (0%)

Yellow (64%)

Black (35%)



Cyan (49%)


Magenta (35%)

Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.9823, 0.3630, 0.4945 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 31.9823, 0.3630, 0.4945 by changing the saturation by 10% instead.


 31.9823, 0.3630,
0.4945


 31.9823, 0.3630,
0.4945


 311.0386, 0.3416,
0.4045


 21.3480, 0.3657,
0.5181


 62.7833, 0.3568,
0.4606


 13.3786, 0.3670,
0.5484


 83.7188, 0.3539,
0.4481

 7.6898, 0.3653,
0.5891


 108.8569, 0.3513,
0.4378

 3.8971, 0.3550,
0.6450

 138.5818, 0.3489,
0.4290

 1.6162, 0.3063,
0.6937

 173.2781, 0.3468,
0.4215

 0.3685, 0.0000,
1.0000

 213.3300, 0.3449,

 0.0000, 0.0000,

0.4151

0.0000

259.1221, 0.3431,
0.4094

■ 31.9823, 0.3630,
0.4945

■ 31.9823, 0.3630,
0.4945

■ 31.4119, 0.3658,
0.5156

■ 32.6333, 0.3580,
0.4701

■ 30.9121, 0.3662,
0.5324

■ 33.3655, 0.3513,
0.4437

■ 30.4777, 0.3642,
0.5445

■ 34.1848, 0.3433,
0.4163

■ 30.2246, 0.3622,
0.5506

■ 35.0952, 0.3345,
0.3890

■ 36.1005, 0.3253,
0.3626

■ 37.2042, 0.3160,
0.3376

■ 38.4098, 0.3069,
0.3143

■ 39.7202, 0.2982,
0.2930

■ 41.1386, 0.2900,
0.2735

Harmonies

Analogous

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



31.9823, 0.4380, 0.4606



31.9823, 0.3630, 0.4945



31.9823, 0.2793, 0.4670

Triad

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



31.9823, 0.3630, 0.4945



31.9823, 0.1645, 0.2243



31.9823, 0.4185, 0.2783

Complementary

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



31.9823, 0.3630, 0.4945



8.3884, 0.2263, 0.1445

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.



31.9823, 0.3276, 0.2308



31.9823, 0.3630, 0.4945



31.9823, 0.1892, 0.1991

Square

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



31.9823, 0.3630, 0.4945



31.9823, 0.1704, 0.2850



31.9823, 0.2444, 0.2027



31.9823, 0.4790, 0.3373

Rectangle

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



31.9823, 0.3630, 0.4945



31.9823, 0.2298, 0.4119



31.9823, 0.2444, 0.2027



31.9823, 0.3895, 0.2607

Sweetspot

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



31.9837, 0.3630, 0.4945



63.5969, 0.3306, 0.3776



16.5161, 0.4714, 0.3811



13.7988, 0.3331, 0.3849



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.



31.9837, 0.3630, 0.4945



55.9013, 0.3662, 0.5225



28.8382, 0.3151, 0.5229



8.1184, 0.3213, 0.3515



22.8925, 0.3628, 0.5502



0.5052, 0.3842, 0.5331

Inverse Universe

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



8.3884, 0.2263, 0.1445



10.3145, 0.2043, 0.1094



12.2032, 0.2950, 0.1753



6.9694, 0.3036, 0.3061



2.6951, 0.1763, 0.0745



0.0816, 0.2183, 0.0976

Previews

White Background



This preview shows how the Yxy color 31.9823, 0.3630, 0.4945 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 31.9823, 0.3630, 0.4945 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

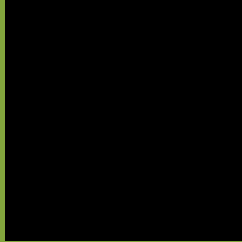
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.9823, 0.3630, 0.4945

Background



This preview shows how black text looks on a background with the Yxy color 31.9823, 0.3630, 0.4945.



This preview shows how white text looks on a background with the Yxy color 31.9823, 0.3630, 0.4945.

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

31.9823, 0.3630, 0.4945

Protanopia

31.7358, 0.4184, 0.4591

Deuteranopia

31.5913, 0.4402, 0.4299



Tritanopia

31.7409, 0.2907, 0.3090

Trichromacy



Original Color

31.9823, 0.3630, 0.4945

Protanomaly

31.4873, 0.3978, 0.4721

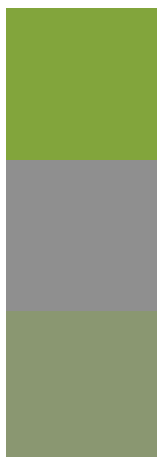
Deuteranomaly

31.1515, 0.4112, 0.4526

Tritanomaly

31.4155, 0.3201, 0.3780

Monochromacy



Original Color

31.9823, 0.3630, 0.4945

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

28.7287, 0.3354, 0.3928

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.9823, 0.3630, 0.4945 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, 165, 60)` looks like.

```
.text, #text, p{  
    color:rgb(130, 165, 60)  
}
```

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, 165, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 165, 60) }
```

Border

The CSS property to change the border of an element to Yxy 31.9823, 0.3630, 0.4945 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, 165, 60) }
```

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

```
.border{ border-color:rgb(130, 165, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 165, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 165, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 165, 60);  
box-shadow:4px 4px 4px 4px rgb(130, 165,  
60) }
```


Background

The CSS property to change the background color of an element to Yxy 31.9823, 0.3630, 0.4945 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 165, 60) }
```

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

```
.background{ background-color: rgb(130,  
165, 60) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor