

Converting Colors

$Yxy(33.4391, 0.3127, 0.4713)$

Have a look what the booklet for
Yxy(33.4391, 0.3127, 0.4713)
contains.

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Color

Yxy(33.3692, 0.3121, 0.4707)

Conversions

Conversions Part 1

Format	Color
Hex	64AD5C
RGB	100, 173, 92
RGB Percent	39%, 68%, 36%
CMY	0.6081, 0.3215, 0.6392
CMYK	0.42, 0.00, 0.47, 0.32
HSL	114°, 33%, 52%
HSV	114°, 47%, 68%
XYZ	22.1256, 33.3692, 15.3979
YIQ	141.9390, -17.5070, -40.6670

Conversions

Conversions Part 2

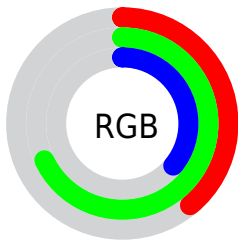
Format	Color
RYB	92, 173, 165
Decimal	6597980
CIELab	64.46, -39.23, 34.52
CIELCh	64, 52.255, 138.649
Yxy	33.3692, 0.3121, 0.4707
Android (android.graphics.Color)	4284788060 (0xFF64AD5C)
YUV	141.9390, -24.6199, -36.7805
Hunter-Lab	57.7661, -32.7214, 24.6321

Details

The Yxy color **33.3692, 0.3121, 0.4707** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **18.6771, 0.3081, 0.2139**, and the grayscale version is **27.1243, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.0208, 0.3145, 0.4391**, and **14.1652, 0.3052, 0.5249** is the 20% darker color. If you saturate the color by 10%, you get **32.2963, 0.3109, 0.5048**, and if you desaturate by 10%, it is **34.6844, 0.3128, 0.4364**.

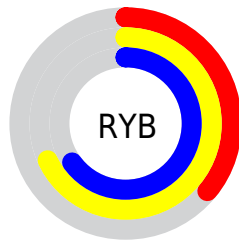
Distribution



Red (39%)

Green (68%)

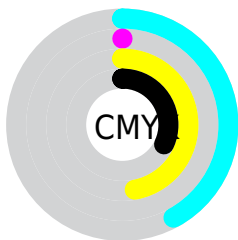
Blue (36%)



Red (36%)

Yellow (68%)

Blue (65%)

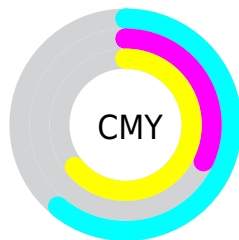


Cyan (42%)

Magenta (0%)

Yellow (47%)

Black (32%)



Cyan (61%)


Magenta (32%)


Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.3692, 0.3121, 0.4707 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 33.3692, 0.3121, 0.4707 by changing the saturation by 10% instead.


 33.3692, 0.3121,
0.4707


 33.3692, 0.3121,
0.4707


317.3101, 0.3156,
0.3914


 22.4094, 0.3097,
0.4933


 64.9515, 0.3144,
0.4398


 14.1580, 0.3053,
0.5240


 86.3428, 0.3149,
0.4288

 8.2307, 0.2970,
0.5674

 111.9801, 0.3152,
0.4198

 4.2429, 0.2821,
0.6375

 142.2478, 0.3154,
0.4123

 1.8103, 0.2375,
0.7625

177.5303, 0.3155,
0.4059

 0.4936, 0.0000,
1.0000

218.2119, 0.3156,

 0.0000, 0.0000,

0.4004

0.0000

264.6770, 0.3156,
0.3956

■ 33.3692, 0.3121,
0.4707

■ 33.3692, 0.3121,
0.4707

■ 32.2963, 0.3109,
0.5048

■ 34.6844, 0.3128,
0.4364

■ 31.4468, 0.3093,
0.5365

■ 36.2511, 0.3132,
0.4035

■ 30.8063, 0.3073,
0.5633


■ 38.0828, 0.3132,
0.3732


■ 30.3562, 0.3051,
0.5831


■ 40.1912, 0.3130,
0.3458

■ 30.0738, 0.3029,
0.5951

■ 42.5870, 0.3126,
0.3217

 30.0110, 0.3024,
0.5981

 45.2805, 0.3121,
0.3005

 48.2815, 0.3115,
0.2821

 51.5993, 0.3110,
0.2662

 55.2427, 0.3104,
0.2525

Harmonies

Analogous

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



33.3692, 0.3886, 0.4741



33.3692, 0.3121, 0.4707



33.3692, 0.2399, 0.4077

Triad

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



33.3692, 0.3121, 0.4707



33.3692, 0.1862, 0.2144



33.3692, 0.4490, 0.3165

Complementary

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



33.3692, 0.3121, 0.4707



18.6771, 0.3081, 0.2139

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.



33.3692, 0.3795, 0.2641



33.3692, 0.3121, 0.4707



33.3692, 0.2273, 0.2077

Square

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



33.3692, 0.3121, 0.4707



33.3692, 0.1738, 0.2505



33.3692, 0.2958, 0.2256



33.3692, 0.4741, 0.3752

Rectangle

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



33.3692, 0.3121, 0.4707



33.3692, 0.2041, 0.3484



33.3692, 0.2958, 0.2256



33.3692, 0.4296, 0.2980

Sweetspot

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



33.3706, 0.3121, 0.4707



69.1207, 0.3131, 0.3658



36.5365, 0.3854, 0.4319



14.8578, 0.3132, 0.3717



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.



33.3706, 0.3121, 0.4707



57.8059, 0.3109, 0.5053



33.6325, 0.2838, 0.4145



8.9755, 0.3130, 0.3523



22.0561, 0.3028, 0.5978



0.6253, 0.3141, 0.5888

Inverse Universe

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



18.6771, 0.3081, 0.2139



28.2853, 0.3063, 0.1920



18.4502, 0.3612, 0.2579



8.1076, 0.3122, 0.3065



7.4251, 0.2967, 0.1408



0.2178, 0.3045, 0.1451

Previews

White Background



This preview shows how the Yxy color 33.3692, 0.3121, 0.4707 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 33.3692, 0.3121, 0.4707 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 33.3692, 0.3121, 0.4707

Background



This preview shows how black text looks on a background with the Yxy color 33.3692, 0.3121, 0.4707.



This preview shows how white text looks on a background with the Yxy color 33.3692, 0.3121, 0.4707.

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

33.3692, 0.3121, 0.4707

Protanopia

33.1067, 0.3940, 0.4296

Deuteranopia

33.0681, 0.4063, 0.3988



Tritanopia

33.0817, 0.2619, 0.3069

Trichromacy



Original Color

33.3692, 0.3121, 0.4707

Protanomaly

32.5650, 0.3608, 0.4458

Deuteranomaly

32.3662, 0.3678, 0.4245

Tritanomaly

33.0278, 0.2805, 0.3642

Monochromacy



Original Color

33.3692, 0.3121, 0.4707

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

28.7497, 0.3133, 0.3788

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.3692, 0.3121, 0.4707 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(100, 173, 92)` looks like.

```
.text, #text, p{  
    color:rgb(100, 173, 92)  
}
```

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(100, 173, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 173, 92) }
```

Border

The CSS property to change the border of an element to Yxy 33.3692, 0.3121, 0.4707 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(100, 173, 92) }
```

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

```
.border{ border-color:rgb(100, 173, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 173, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 173, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 173, 92);  
box-shadow:4px 4px 4px 4px rgb(100, 173,  
92) }
```


Background

The CSS property to change the background color of an element to Yxy 33.3692, 0.3121, 0.4707 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 173, 92) }
```

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

```
.background{ background-color: rgb(100,  
173, 92) }
```

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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