

Converting Colors

$Yxy(32.6889, 0.3361, 0.4935)$

Have a look what the booklet for
Yxy(32.6889, 0.3361, 0.4935)
contains.

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Color

Yxy(32.6621, 0.3360, 0.4937)

Conversions

Conversions Part 1

Format	Color
Hex	70AA48
RGB	112, 170, 72
RGB Percent	44%, 67%, 28%
CMY	0.5607, 0.3333, 0.7176
CMYK	0.34, 0.00, 0.58, 0.33
HSL	96°, 40%, 47%
HSV	96°, 58%, 67%
XYZ	22.2290, 32.6621, 11.2667
YIQ	141.4860, -3.1100, -42.7740

Conversions

Conversions Part 2

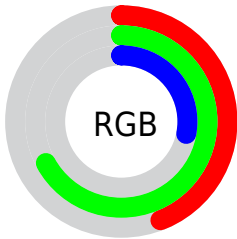
Format	Color
RYB	72, 170, 130
Decimal	7383624
CIELab	63.89, -36.28, 43.84
CIELCh	64, 56.906, 129.610
Yxy	32.6621, 0.3360, 0.4937
Android (android.graphics.Color)	4285573704 (0xFF70AA48)
YUV	141.4860, -34.2566, -25.8592
Hunter-Lab	57.1508, -30.5856, 28.3171

Details

The Yxy color **32.6621, 0.3360, 0.4937** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **12.2852, 0.2665, 0.1743**, and the grayscale version is **26.9784, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.0634, 0.3345, 0.4582**, and **13.6994, 0.3339, 0.5523** is the 20% darker color. If you saturate the color by 10%, you get **31.8478, 0.3363, 0.5215**, and if you desaturate by 10%, it is **33.6143, 0.3340, 0.4637**.

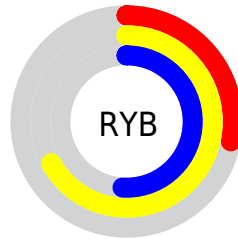
Distribution



Red (44%)

Green (67%)

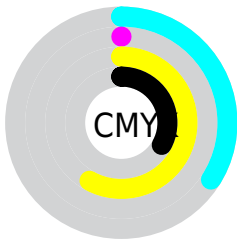
Blue (28%)



Red (28%)

Yellow (67%)

Blue (51%)

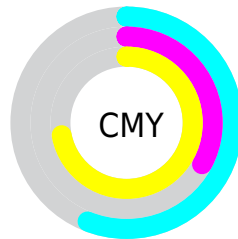


Cyan (34%)

Magenta (0%)

Yellow (58%)

Black (33%)



Cyan (56%)


Magenta (33%)

Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.6621, 0.3360, 0.4937 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 32.6621, 0.3360, 0.4937 by changing the saturation by 10% instead.

 32.6621, 0.3360,
0.4937


 32.6621, 0.3360,
0.4937

314.1244, 0.3283,
0.4023


 21.8677, 0.3356,
0.5189


 63.8476, 0.3347,
0.4585

 13.7597, 0.3332,
0.5522


 85.0076, 0.3337,
0.4459


 7.9537, 0.3261,
0.5973


 110.3915, 0.3327,
0.4354

 4.0654, 0.3182,
0.6818

 140.3837, 0.3317,
0.4267

 1.7102, 0.2518,
0.7482

 175.3688, 0.3308,
0.4192

 0.4302, 0.0000,
1.0000

215.7310, 0.3299,

 0.0000, 0.0000,

0.4128

0.0000

261.8547, 0.3291,
0.4072

■ 32.6621, 0.3360,
0.4937

■ 32.6621, 0.3360,
0.4937

■ 31.8478, 0.3363,
0.5215

■ 33.6143, 0.3340,
0.4637

■ 31.1596, 0.3348,
0.5454

■ 34.7071, 0.3308,
0.4329

■ 30.5902, 0.3315,
0.5640

■ 35.9483, 0.3266,
0.4028

■ 30.1274, 0.3266,
0.5770

■ 37.3437, 0.3218,
0.3742

■ 30.0293, 0.3255,
0.5798

■ 38.8990, 0.3167,
0.3477

■ 40.6195, 0.3115,
0.3235

■ 42.5101, 0.3064,
0.3017

■ 44.5757, 0.3015,
0.2822

■ 46.8209, 0.2968,
0.2648

Harmonies

Analogous

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



32.6621, 0.4160, 0.4761



32.6621, 0.3360, 0.4937



32.6621, 0.2542, 0.4431

Triad

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



32.6621, 0.3360, 0.4937



32.6621, 0.1692, 0.2127



32.6621, 0.4431, 0.2964

Complementary

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



32.6621, 0.3360, 0.4937



12.2852, 0.2665, 0.1743

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.



32.6621, 0.3576, 0.2443



32.6621, 0.3360, 0.4937



32.6621, 0.2036, 0.1974

Square

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



32.6621, 0.3360, 0.4937



32.6621, 0.1650, 0.2613



32.6621, 0.2686, 0.2093



32.6621, 0.4869, 0.3575

Rectangle

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



32.6621, 0.3360, 0.4937



32.6621, 0.2100, 0.3799



32.6621, 0.2686, 0.2093



32.6621, 0.4175, 0.2776

Sweetspot

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



32.6635, 0.3360, 0.4937



67.8444, 0.3216, 0.3733



24.7607, 0.4274, 0.4131



15.0149, 0.3226, 0.3787



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.



32.6635, 0.3360, 0.4937



57.4366, 0.3361, 0.5282



30.7096, 0.2995, 0.4970



8.5517, 0.3175, 0.3519



22.1211, 0.3262, 0.5792



0.5683, 0.3543, 0.5569

Inverse Universe

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



12.2852, 0.2665, 0.1743



16.9015, 0.2529, 0.1441



15.7861, 0.3299, 0.2050



7.5116, 0.3075, 0.3063



4.1862, 0.2229, 0.1002



0.1306, 0.2559, 0.1183

Previews

White Background



This preview shows how the Yxy color 32.6621, 0.3360, 0.4937 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 32.6621, 0.3360, 0.4937 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

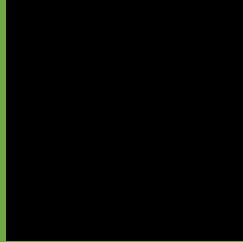
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.6621, 0.3360, 0.4937

Background



This preview shows how black text looks on a background with the Yxy color 32.6621, 0.3360, 0.4937.



This preview shows how white text looks on a background with the Yxy color 32.6621, 0.3360, 0.4937.

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

32.6621, 0.3360, 0.4937

Protanopia

32.1744, 0.4106, 0.4499

Deuteranopia

32.2363, 0.4274, 0.4201



Tritanopia

32.6322, 0.2734, 0.3102

Trichromacy



Original Color

32.6621, 0.3360, 0.4937

Protanomaly

32.0553, 0.3816, 0.4665

Deuteranomaly

31.5416, 0.3920, 0.4459

Tritanomaly

32.4661, 0.2979, 0.3757

Monochromacy



Original Color

32.6621, 0.3360, 0.4937

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

28.4633, 0.3239, 0.3909

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.6621, 0.3360, 0.4937 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, 170, 72)` looks like.

```
.text, #text, p{  
    color:rgb(112, 170, 72)  
}
```

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, 170, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 170, 72) }
```

Border

The CSS property to change the border of an element to Yxy 32.6621, 0.3360, 0.4937 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, 170, 72) }
```

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

```
.border{ border-color:rgb(112, 170, 72) }
```

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

Here you see how a box with a 4 pixel rgb(112, 170, 72) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 170, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 170, 72);  
box-shadow:4px 4px 4px 4px rgb(112, 170,  
72) }
```


Background

The CSS property to change the background color of an element to Yxy 32.6621, 0.3360, 0.4937 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 170, 72) }
```

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

```
.background{ background-color: rgb(112,  
170, 72) }
```

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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