

Converting Colors

$Y_{xy}(32.1073, 0.3768, 0.4690)$

Have a look what the booklet for
Yxy(32.1073, 0.3768, 0.4690)
contains.

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Color

Yxy(32.1350, 0.3770, 0.4681)

Conversions

Conversions Part 1

Format	Color
Hex	93A146
RGB	147, 161, 70
RGB Percent	58%, 63%, 27%
CMY	0.4236, 0.3686, 0.7255
CMYK	0.09, 0.00, 0.57, 0.37
HSL	69°, 39%, 45%
HSV	69°, 57%, 63%
XYZ	25.8810, 32.1350, 10.6339
YIQ	146.4400, 20.8670, -31.2690

Conversions

Conversions Part 2

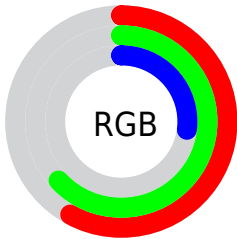
Format	Color
RYB	70, 161, 84
Decimal	9675078
CIELab	63.45, -18.40, 44.89
CIELCh	63, 48.511, 112.286
Yxy	32.1350, 0.3770, 0.4681
Android (android.graphics.Color)	4287865158 (0xFF93A146)
YUV	146.4400, -37.6849, 0.4911
Hunter-Lab	56.6877, -17.7087, 28.5594

Details

The Yxy color **32.1350, 0.3770, 0.4681** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **8.8412, 0.2197, 0.1581**, and the grayscale version is **29.0862, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.1887, 0.3672, 0.4408**, and **13.5720, 0.3888, 0.5127** is the 20% darker color. If you saturate the color by 10%, you get **31.7327, 0.3845, 0.4881**, and if you desaturate by 10%, it is **32.5997, 0.3676, 0.4453**.

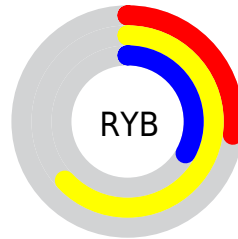
Distribution



Red (58%)

Green (63%)

Blue (27%)



Red (27%)

Yellow (63%)

Blue (33%)

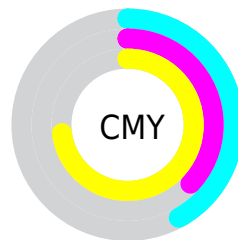


Cyan (9%)

Magenta (0%)

Yellow (57%)

Black (37%)



Cyan (42%)

Magenta (37%)

Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.1350, 0.3770, 0.4681 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 32.1350, 0.3770, 0.4681 by changing the saturation by 10% instead.

■ 32.1350, 0.3770,
0.4681

■ 32.1350, 0.3770,
0.4681

■ 311.7338, 0.3466,
0.3936

■ 21.4646, 0.3830,
0.4874

■ 63.0227, 0.3669,
0.4403

■ 13.4641, 0.3891,
0.5119

■ 84.0088, 0.3627,
0.4300

■ 7.7489, 0.3939,
0.5433

■ 109.2022, 0.3591,
0.4214

■ 3.9347, 0.4027,
0.5973

■ 138.9874, 0.3560,
0.4141

■ 1.6371, 0.3728,
0.6272

■ 173.7488, 0.3532,
0.4079

■ 0.3824, 0.0000,
1.0000

213.8707, 0.3507,

■ 0.0000, 0.0000,

0.4025

0.0000

259.7376, 0.3485,
0.3978

■ 32.1350, 0.3770,
0.4681

■ 32.1350, 0.3770,
0.4681

■ 31.7327, 0.3845,
0.4881

■ 32.5997, 0.3676,
0.4453

■ 31.3840, 0.3897,
0.5043

■ 33.1263, 0.3567,
0.4206

■ 31.0849, 0.3924,
0.5163

■ 33.7201, 0.3449,
0.3951

■ 30.8282, 0.3927,
0.5241

■ 34.3843, 0.3327,
0.3695

■ 30.7432, 0.3927,
0.5264

■ 35.1221, 0.3205,
0.3446

■ 35.9363, 0.3086,
0.3209

■ 36.8298, 0.2972,
0.2987

■ 37.8050, 0.2865,
0.2782

■ 38.8646, 0.2765,
0.2594

Harmonies

Analogous

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



32.1350, 0.4366, 0.4341



32.1350, 0.3770, 0.4681



32.1350, 0.3040, 0.4569

Triad

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



32.1350, 0.3770, 0.4681



32.1350, 0.1807, 0.2495



32.1350, 0.3850, 0.2731

Complementary

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



32.1350, 0.3770, 0.4681



8.8412, 0.2197, 0.1581

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.



32.1350, 0.3063, 0.2343



32.1350, 0.3770, 0.4681



32.1350, 0.1958, 0.2183

Square

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



32.1350, 0.3770, 0.4681



32.1350, 0.1941, 0.3113



32.1350, 0.2386, 0.2146



32.1350, 0.4463, 0.3245

Rectangle

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



32.1350, 0.3770, 0.4681



32.1350, 0.2576, 0.4186



32.1350, 0.2386, 0.2146



32.1350, 0.3591, 0.2584

Sweetspot

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



32.1365, 0.3770, 0.4681



61.4726, 0.3337, 0.3715



14.3079, 0.4643, 0.3505



13.4318, 0.3360, 0.3762



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



32.1365, 0.3770, 0.4681



56.6426, 0.3862, 0.4929



28.7514, 0.3308, 0.4924



8.1817, 0.3239, 0.3514



24.5652, 0.3929, 0.5262



0.5302, 0.4031, 0.5181

Inverse Universe

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



8.8412, 0.2197, 0.1581



10.7275, 0.1961, 0.1194



11.6344, 0.2750, 0.1807



6.9099, 0.3010, 0.3059



2.2303, 0.1575, 0.0641



0.0609, 0.1841, 0.0788

Previews

White Background



This preview shows how the Yxy color 32.1350, 0.3770, 0.4681 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 32.1350, 0.3770, 0.4681 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

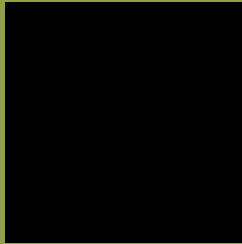
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.1350, 0.3770, 0.4681

Background



This preview shows how black text looks on a background with the Yxy color 32.1350, 0.3770, 0.4681.



This preview shows how white text looks on a background with the Yxy color 32.1350, 0.3770, 0.4681.

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

32.1350, 0.3770, 0.4681

Protanopia

32.0746, 0.4088, 0.4494

Deuteranopia

31.8710, 0.4317, 0.4233



Tritanopia

31.9457, 0.3076, 0.3111

Trichromacy



Original Color

32.1350, 0.3770, 0.4681

Protanomaly

32.2250, 0.3969, 0.4563

Deuteranomaly

31.6129, 0.4118, 0.4380

Tritanomaly

31.8000, 0.3351, 0.3697

Monochromacy



Original Color

32.1350, 0.3770, 0.4681

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

29.5522, 0.3392, 0.3828

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.1350, 0.3770, 0.4681 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(147, 161, 70)` looks like.

```
.text, #text, p{  
    color:rgb(147, 161, 70)  
}
```

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(147, 161, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 161, 70) }
```

Border

The CSS property to change the border of an element to Yxy 32.1350, 0.3770, 0.4681 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(147, 161, 70) }
```

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

```
.border{ border-color:rgb(147, 161, 70) }
```

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

Here you see how a box with a 4 pixel rgb(147, 161, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 161, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 161, 70);  
box-shadow:4px 4px 4px 4px rgb(147, 161,  
70) }
```


Background

The CSS property to change the background color of an element to Yxy 32.1350, 0.3770, 0.4681 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 161, 70) }
```

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

```
.background{ background-color: rgb(147,  
161, 70) }
```

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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