

Converting Colors

$Y_{xy}(32.0605, 0.3800, 0.5278)$

Have a look what the booklet for
Yxy(32.0605, 0.3800, 0.5278)
contains.

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Color

Yxy(32.1447, 0.3798, 0.5282)

Conversions

Conversions Part 1

Format	Color
Hex	83A613
RGB	131, 166, 19
RGB Percent	51%, 65%, 7%
CMY	0.4863, 0.3490, 0.9258
CMYK	0.21, 0.00, 0.89, 0.35
HSL	74°, 80%, 36%
HSV	74°, 89%, 65%
XYZ	23.1135, 32.1447, 5.5988
YIQ	138.7770, 26.3270, -53.1370

Conversions

Conversions Part 2

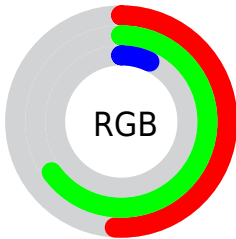
Format	Color
RYB	19, 166, 54
Decimal	8627731
CIELab	63.46, -30.42, 62.63
CIELCh	63, 69.629, 115.906
Yxy	32.1447, 0.3798, 0.5282
Android (android.graphics.Color)	4286817811 (0xFF83A613)
YUV	138.7770, -59.0501, -6.8204
Hunter-Lab	56.6963, -26.4490, 33.8324

Details

The Yxy color **32.1447, 0.3798, 0.5282** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **3.9991, 0.1761, 0.0816**, and the grayscale version is **25.9502, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.0135, 0.3738, 0.4895**, and **13.5711, 0.3641, 0.5491** is the 20% darker color. If you saturate the color by 10%, you get **31.7950, 0.3784, 0.5368**, and if you desaturate by 10%, it is **32.5454, 0.3791, 0.5155**.

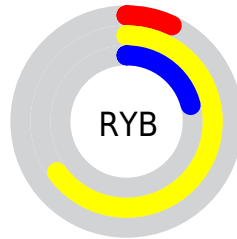
Distribution



Red (51%)

Green (65%)

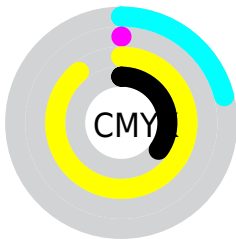
Blue (7%)



Red (7%)

Yellow (65%)

Blue (21%)

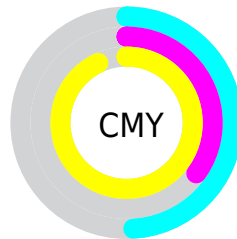


Cyan (21%)

Magenta (0%)

Yellow (89%)

Black (35%)



Cyan (49%)

Magenta (35%)

Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.1447, 0.3798, 0.5282 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 32.1447, 0.3798, 0.5282 by changing the saturation by 10% instead.


 32.1447, 0.3798,
0.5282


 32.1447, 0.3798,
0.5282


311.7779, 0.3538,
0.4229


 21.4720, 0.3813,
0.5533


 63.0379, 0.3735,
0.4900


 13.4695, 0.3795,
0.5833


 84.0272, 0.3701,
0.4755

 7.7526, 0.3746,
0.6254


 109.2241, 0.3668,
0.4632

 3.9371, 0.3448,
0.6552

 139.0132, 0.3637,
0.4527

 1.6384, 0.2914,
0.7086

 173.7787, 0.3609,
0.4437

 0.3833, 0.0000,
1.0000

 213.9050, 0.3583,

 0.0000, 0.0000,

0.4359

0.0000

259.7766, 0.3560,
0.4290

■ 32.1447, 0.3798,
0.5282

■ 32.1447, 0.3798,
0.5282

■ 31.7950, 0.3784,
0.5368

■ 32.5454, 0.3791,
0.5155

■ 31.7474, 0.3781,
0.5380

■ 33.0037, 0.3759,
0.4984

■ 33.5269, 0.3703,
0.4775

■ 34.1201, 0.3628,
0.4536

■ 34.7878, 0.3537,
0.4280

■ 35.5342, 0.3435,
0.4015

■ 36.3628, 0.3328,
0.3753

■ 37.2774, 0.3219,
0.3498

■ 38.2810, 0.3112,
0.3257

Harmonies

Analogous

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



32.1447, 0.4675, 0.4710



32.1447, 0.3798, 0.5282



32.1447, 0.2811, 0.5142

Triad

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



32.1447, 0.3798, 0.5282



32.1447, 0.1382, 0.2090



32.1447, 0.4278, 0.2587

Complementary

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



32.1447, 0.3798, 0.5282



3.9991, 0.1761, 0.0816

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.



32.1447, 0.3141, 0.2072



32.1447, 0.3798, 0.5282



32.1447, 0.1614, 0.1774

Square

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



32.1447, 0.3798, 0.5282



32.1447, 0.1479, 0.2853



32.1447, 0.2193, 0.1787



32.1447, 0.5098, 0.3241

Rectangle

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



32.1447, 0.3798, 0.5282



32.1447, 0.2211, 0.4496



32.1447, 0.2193, 0.1787



32.1447, 0.3905, 0.2395

Sweetspot

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



32.1461, 0.3798, 0.5282



64.6449, 0.3424, 0.3986



10.7230, 0.5780, 0.3619



14.3625, 0.3458, 0.4073



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



32.1461, 0.3798, 0.5282



57.5140, 0.3774, 0.5386



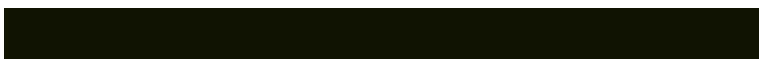
28.2247, 0.3166, 0.5763



8.6825, 0.3227, 0.3516



24.6394, 0.3785, 0.5377



0.6207, 0.3928, 0.5263

Inverse Universe

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



3.9991, 0.1761, 0.0816



5.7158, 0.1625, 0.0669



7.7122, 0.2627, 0.1279



7.3835, 0.3022, 0.3059



2.4958, 0.1646, 0.0681



0.0833, 0.1985, 0.0867

Previews

White Background



This preview shows how the Yxy color 32.1447, 0.3798, 0.5282 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 32.1447, 0.3798, 0.5282 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

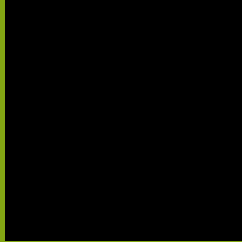
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.1447, 0.3798, 0.5282

Background



This preview shows how black text looks on a background with the Yxy color 32.1447, 0.3798, 0.5282.



This preview shows how white text looks on a background with the Yxy color 32.1447, 0.3798, 0.5282.

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

32.1447, 0.3798, 0.5282

Protanopia

32.0271, 0.4376, 0.4855

Deuteranopia

31.7096, 0.4623, 0.4521



Tritanopia

31.9210, 0.2925, 0.3091

Trichromacy



Original Color

32.1447, 0.3798, 0.5282

Protanomaly

31.7602, 0.4167, 0.5009

Deuteranomaly

31.4172, 0.4314, 0.4808

Tritanomaly

31.2214, 0.3357, 0.4027

Monochromacy



Original Color

32.1447, 0.3798, 0.5282

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

27.5554, 0.3509, 0.4210

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.1447, 0.3798, 0.5282 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(131, 166, 19)` looks like.

```
.text, #text, p{  
    color:rgb(131, 166, 19)  
}
```

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(131, 166, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 166, 19) }
```

Border

The CSS property to change the border of an element to Yxy 32.1447, 0.3798, 0.5282 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(131, 166, 19) }
```

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

```
.border{ border-color:rgb(131, 166, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 166, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 166, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 166, 19);  
box-shadow:4px 4px 4px 4px rgb(131, 166,  
19) }
```


Background

The CSS property to change the background color of an element to Yxy 32.1447, 0.3798, 0.5282 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 166, 19) }
```

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

```
.background{ background-color: rgb(131,  
166, 19) }
```

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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