

Converting Colors

$Y_{xy}(30.4497, 0.3757, 0.5078)$

Have a look what the booklet for
Yxy(30.4497, 0.3757, 0.5078)
contains.

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Color

Yxy(30.4895, 0.3756, 0.5080)

Conversions

Conversions Part 1

Format	Color
Hex	83A12B
RGB	131, 161, 43
RGB Percent	51%, 63%, 17%
CMY	0.4862, 0.3686, 0.8312
CMYK	0.19, 0.00, 0.73, 0.37
HSL	75°, 58%, 40%
HSV	75°, 73%, 63%
XYZ	22.5430, 30.4895, 6.9862
YIQ	138.5780, 19.9980, -43.0580

Conversions

Conversions Part 2

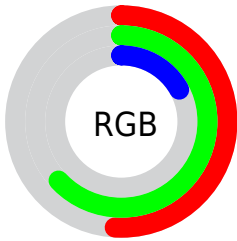
Format	Color
RYB	43, 161, 73
Decimal	8626475
CIELab	62.07, -27.03, 54.54
CIELCh	62, 60.872, 116.359
Yxy	30.4895, 0.3756, 0.5080
Android (android.graphics.Color)	4286816555 (0xFF83A12B)
YUV	138.5780, -47.1200, -6.6459
Hunter-Lab	55.2173, -23.7558, 31.1506

Details

The Yxy color **30.4895, 0.3756, 0.5080** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **5.7218, 0.2007, 0.1143**, and the grayscale version is **25.8299, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.5396, 0.3681, 0.4720**, and **12.5151, 0.3707, 0.5439** is the 20% darker color. If you saturate the color by 10%, you get **30.0745, 0.3774, 0.5235**, and if you desaturate by 10%, it is **30.9668, 0.3714, 0.4884**.

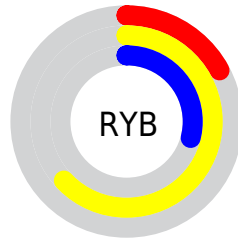
Distribution



Red (51%)

Green (63%)

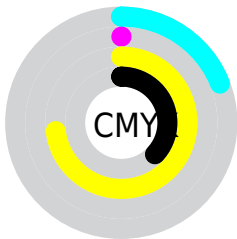
Blue (17%)



Red (17%)

Yellow (63%)

Blue (29%)

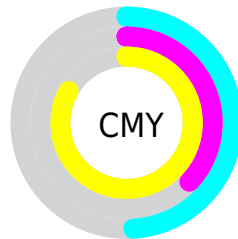


Cyan (19%)

Magenta (0%)

Yellow (73%)

Black (37%)



Cyan (49%)


Magenta (37%)


Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.4895, 0.3756, 0.5080 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 30.4895, 0.3756, 0.5080 by changing the saturation by 10% instead.


 30.4895, 0.3756,
0.5080


 30.4895, 0.3756,
0.5080


304.1795, 0.3489,
0.4114


 20.2104, 0.3787,
0.5324


 60.4354, 0.3681,
0.4721


 12.5481, 0.3796,
0.5626


 80.8711, 0.3645,
0.4588


 7.1181, 0.3829,
0.6126


 105.4611, 0.3612,
0.4476

 3.5361, 0.3565,
0.6435

 134.5898, 0.3582,
0.4381

 1.4176, 0.3011,
0.6989

 168.6415, 0.3555,
0.4300

 0.2296, 0.0000,
1.0000

 208.0008, 0.3531,

 0.0000, 0.0000,

0.4230

0.0000

253.0520, 0.3509,
0.4168

■ 30.4895, 0.3756,
0.5080

■ 30.4895, 0.3756,
0.5080

■ 30.0745, 0.3774,
0.5235

■ 30.9668, 0.3714,
0.4884

■ 29.7118, 0.3767,
0.5344

■ 31.5073, 0.3650,
0.4655

■ 29.4879, 0.3755,
0.5401

■ 32.1168, 0.3568,
0.4403

■ 32.7994, 0.3474,
0.4139

■ 33.5587, 0.3372,
0.3874

■ 34.3980, 0.3266,
0.3615

■ 35.3205, 0.3161,
0.3368

■ 36.3291, 0.3059,
0.3136

■ 37.4267, 0.2960,
0.2921

Harmonies

Analogous

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



30.4895, 0.4546, 0.4622



30.4895, 0.3756, 0.5080



30.4895, 0.2854, 0.4900

Triad

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



30.4895, 0.3756, 0.5080



30.4895, 0.1528, 0.2207



30.4895, 0.4171, 0.2667

Complementary

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



30.4895, 0.3756, 0.5080



5.7218, 0.2007, 0.1143

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.



30.4895, 0.3163, 0.2185



30.4895, 0.3756, 0.5080



30.4895, 0.1750, 0.1906

Square

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



30.4895, 0.3756, 0.5080



30.4895, 0.1623, 0.2903



30.4895, 0.2296, 0.1916



30.4895, 0.4895, 0.3281

Rectangle

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



30.4895, 0.3756, 0.5080



30.4895, 0.2305, 0.4332



30.4895, 0.2296, 0.1916



30.4895, 0.3843, 0.2487

Sweetspot

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



30.4909, 0.3756, 0.5080



60.2229, 0.3363, 0.3852



12.4557, 0.5187, 0.3694



13.1294, 0.3389, 0.3918



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.



30.4909, 0.3756, 0.5080



53.4355, 0.3773, 0.5310



27.0629, 0.3202, 0.5453



8.1462, 0.3224, 0.3515



23.5711, 0.3758, 0.5398



0.5157, 0.3925, 0.5265

Inverse Universe

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



5.7218, 0.2007, 0.1143



6.6804, 0.1770, 0.0813



9.1703, 0.2766, 0.1515



6.9429, 0.3025, 0.3060



2.4476, 0.1665, 0.0691



0.0725, 0.2038, 0.0896

Previews

White Background



This preview shows how the Yxy color 30.4895, 0.3756, 0.5080 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 30.4895, 0.3756, 0.5080 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

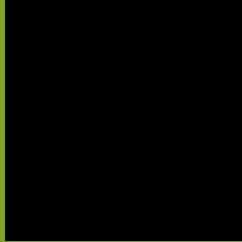
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.4895, 0.3756, 0.5080

Background



This preview shows how black text looks on a background with the Yxy color 30.4895, 0.3756, 0.5080.



This preview shows how white text looks on a background with the Yxy color 30.4895, 0.3756, 0.5080.

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

30.4895, 0.3756, 0.5080

Protanopia

30.2907, 0.4278, 0.4723

Deuteranopia

30.1498, 0.4508, 0.4418



Tritanopia

30.3506, 0.2958, 0.3103

Trichromacy



Original Color

30.4895, 0.3756, 0.5080

Protanomaly

30.2399, 0.4088, 0.4853

Deuteranomaly

29.9238, 0.4234, 0.4655

Tritanomaly

29.9321, 0.3301, 0.3870

Monochromacy



Original Color

30.4895, 0.3756, 0.5080

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

27.1012, 0.3430, 0.4027

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.4895, 0.3756, 0.5080 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, 161, 43)` looks like.

```
.text, #text, p{  
    color:rgb(131, 161, 43)  
}
```

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, 161, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 161, 43) }
```

Border

The CSS property to change the border of an element to Yxy 30.4895, 0.3756, 0.5080 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, 161, 43) }
```

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

```
.border{ border-color:rgb(131, 161, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 161, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 161, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 161, 43);  
box-shadow:4px 4px 4px 4px rgb(131, 161,  
43) }
```


Background

The CSS property to change the background color of an element to Yxy 30.4895, 0.3756, 0.5080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 161, 43) }
```

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

```
.background{ background-color: rgb(131,  
161, 43) }
```

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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