

Converting Colors

$Yxy(30.8266, 0.3419, 0.4400)$

Have a look what the booklet for
Yxy(30.8266, 0.3419, 0.4400)
contains.

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Color

Yxy(30.7751, 0.3422, 0.4397)

Conversions

Conversions Part 1

Format	Color
Hex	83A05E
RGB	131, 160, 94
RGB Percent	51%, 63%, 37%
CMY	0.4863, 0.3725, 0.6314
CMYK	0.18, 0.00, 0.41, 0.37
HSL	86°, 26%, 50%
HSV	86°, 41%, 63%
XYZ	23.9510, 30.7751, 15.2651
YIQ	143.8050, 3.9020, -26.6740

Conversions

Conversions Part 2

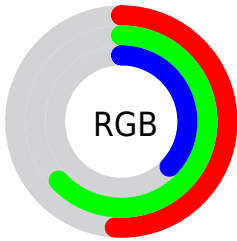
Format	Color
RYB	94, 160, 123
Decimal	8626270
CIELab	62.32, -21.76, 31.13
CIELCh	62, 37.983, 124.953
Yxy	30.7751, 0.3422, 0.4397
Android (android.graphics.Color)	4286816350 (0xFF83A05E)
YUV	143.8050, -24.5539, -11.2300
Hunter-Lab	55.4753, -20.0160, 22.5180

Details

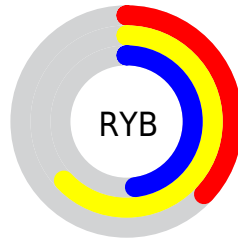
The Yxy color **30.7751, 0.3422, 0.4397** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **14.7527, 0.2707, 0.2157**, and the grayscale version is **27.9071, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.9595, 0.3377, 0.4166**, and **12.6279, 0.3480, 0.4796** is the 20% darker color. If you saturate the color by 10%, you get **29.9759, 0.3475, 0.4680**, and if you desaturate by 10%, it is **31.6746, 0.3358, 0.4111**.

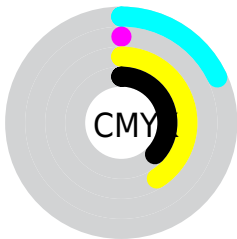
Distribution



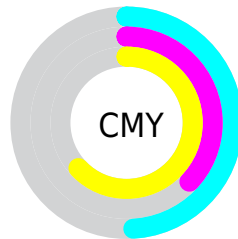
- Red (51%)
- Green (63%)
- Blue (37%)



- Red (37%)
- Yellow (63%)
- Blue (48%)



- Cyan (18%)
- Magenta (0%)
- Yellow (41%)
- Black (37%)





- Cyan (49%)
- Magenta (37%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.7751, 0.3422, 0.4397 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 30.7751, 0.3422, 0.4397 by changing the saturation by 10% instead.


 30.7751, 0.3422,
0.4397


 30.7751, 0.3422,
0.4397


305.5009, 0.3283,
0.3785


 20.4277, 0.3450,
0.4569


 60.8858, 0.3376,
0.4160

 12.7063, 0.3478,
0.4802

 81.4179, 0.3357,
0.4075

 7.2266, 0.3500,
0.5128


 106.1136, 0.3340,
0.4006

 3.6042, 0.3525,
0.5667

 135.3574, 0.3326,
0.3947

 1.4547, 0.3446,
0.6554

169.5336, 0.3313,
0.3897

 0.2565, 0.0000,
1.0000

209.0266, 0.3302,

 0.0000, 0.0000,

0.3855

0.0000

254.2209, 0.3292,
0.3817

■ 30.7751, 0.3422,
0.4397

■ 30.7751, 0.3422,
0.4397

■ 29.9759, 0.3475,
0.4680

■ 31.6746, 0.3358,
0.4111

■ 29.2686, 0.3511,
0.4948

■ 32.6745, 0.3287,
0.3832

■ 28.6496, 0.3528,
0.5188


■ 33.7800, 0.3212,
0.3567

■ 28.1133, 0.3523,
0.5387

■ 34.9948, 0.3137,
0.3320


■ 27.6535, 0.3496,
0.5537


■ 36.3221, 0.3063,
0.3093

 27.3020, 0.3459,
0.5635

 37.7654, 0.2991,
0.2886

 39.3277, 0.2924,
0.2700

 41.0119, 0.2860,
0.2533

 42.8211, 0.2801,
0.2384

Harmonies

Analogous

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



30.7751, 0.3963, 0.4294



30.7751, 0.3422, 0.4397



30.7751, 0.2830, 0.4111

Triad

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



30.7751, 0.3422, 0.4397



30.7751, 0.2067, 0.2517



30.7751, 0.3939, 0.3013

Complementary

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



30.7751, 0.3422, 0.4397



14.7527, 0.2707, 0.2157

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.



30.7751, 0.3349, 0.2633



30.7751, 0.3422, 0.4397



30.7751, 0.2295, 0.2346

Square

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



30.7751, 0.3422, 0.4397



30.7751, 0.2082, 0.2928



30.7751, 0.2746, 0.2395



30.7751, 0.4298, 0.3471

Rectangle

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



30.7751, 0.3422, 0.4397



30.7751, 0.2487, 0.3738



30.7751, 0.2746, 0.2395



30.7751, 0.3758, 0.2874

Sweetspot

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



30.7765, 0.3422, 0.4397



61.1271, 0.3219, 0.3592



22.3482, 0.3954, 0.3752



13.3517, 0.3228, 0.3623



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.



30.7765, 0.3422, 0.4397



54.4646, 0.3473, 0.4672



28.5696, 0.3107, 0.4513



7.5752, 0.3197, 0.3515



21.2930, 0.3465, 0.5630



0.4055, 0.3759, 0.5397

Inverse Universe

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



14.7527, 0.2707, 0.2157



21.1503, 0.2577, 0.1867



17.5705, 0.3117, 0.2284



6.5707, 0.3053, 0.3064



3.0254, 0.1931, 0.0837



0.0787, 0.2394, 0.1093

Previews

White Background



This preview shows how the Yxy color 30.7751, 0.3422, 0.4397 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 30.7751, 0.3422, 0.4397 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

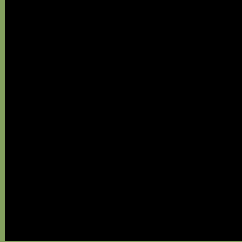
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.7751, 0.3422, 0.4397

Background



This preview shows how black text looks on a background with the Yxy color 30.7751, 0.3422, 0.4397.



This preview shows how white text looks on a background with the Yxy color 30.7751, 0.3422, 0.4397.

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

30.7751, 0.3422, 0.4397

Protanopia

30.4434, 0.3867, 0.4195

Deuteranopia

30.6521, 0.4019, 0.3944



Tritanopia

30.7995, 0.2913, 0.3103

Trichromacy



Original Color

30.7751, 0.3422, 0.4397

Protanomaly

30.5419, 0.3700, 0.4281

Deuteranomaly

30.4623, 0.3789, 0.4098

Tritanomaly

30.6251, 0.3095, 0.3551

Monochromacy



Original Color

30.7751, 0.3422, 0.4397

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

28.8080, 0.3242, 0.3689

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.7751, 0.3422, 0.4397 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, 160, 94)` looks like.

```
.text, #text, p{  
    color:rgb(131, 160, 94)  
}
```

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, 160, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 160, 94) }
```

Border

The CSS property to change the border of an element to Yxy 30.7751, 0.3422, 0.4397 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, 160, 94) }
```

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

```
.border{ border-color:rgb(131, 160, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 160, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(131, 160, 94); -webkit-box-shadow:4px 4px 4px 4px rgb(131, 160, 94); box-shadow:4px 4px 4px 4px rgb(131, 160, 94) }
```


Background

The CSS property to change the background color of an element to Yxy 30.7751, 0.3422, 0.4397 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 160, 94) }
```

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

```
.background{ background-color: rgb(131,  
160, 94) }
```

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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