

Converting Colors

$Y_{xy}(30.0210, 0.3511, 0.4673)$

Have a look what the booklet for
Yxy(30.0210, 0.3511, 0.4673)
contains.

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Color

Yxy(30.1895, 0.3513, 0.4680)

Conversions

Conversions Part 1

Format	Color
Hex	7FA04D
RGB	127, 160, 77
RGB Percent	50%, 63%, 30%
CMY	0.5020, 0.3725, 0.6980
CMYK	0.21, 0.00, 0.52, 0.37
HSL	84°, 35%, 46%
HSV	84°, 52%, 63%
XYZ	22.6615, 30.1895, 11.6565
YIQ	140.6710, 6.9750, -32.8090

Conversions

Conversions Part 2

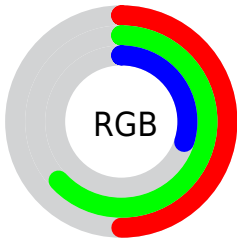
Format	Color
RYB	77, 160, 110
Decimal	8364109
CIELab	61.82, -25.38, 39.20
CIELCh	62, 46.700, 122.918
Yxy	30.1895, 0.3513, 0.4680
Android (android.graphics.Color)	4286554189 (0xFF7FA04D)
YUV	140.6710, -31.3898, -11.9895
Hunter-Lab	54.9450, -22.5333, 25.8832

Details

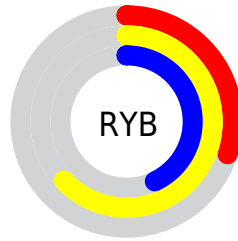
The Yxy color **30.1895, 0.3513, 0.4680** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **11.1657, 0.2522, 0.1824**, and the grayscale version is **26.6237, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.9831, 0.3456, 0.4386**, and **12.3048, 0.3560, 0.5169** is the 20% darker color. If you saturate the color by 10%, you get **29.5184, 0.3555, 0.4940**, and if you desaturate by 10%, it is **30.9497, 0.3454, 0.4404**.

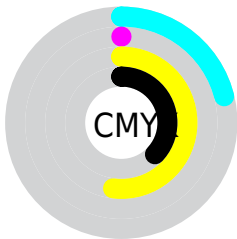
Distribution



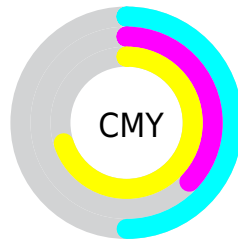
- Red (50%)
- Green (63%)
- Blue (30%)



- Red (30%)
- Yellow (63%)
- Blue (43%)



- Cyan (21%)
- Magenta (0%)
- Yellow (52%)
- Black (37%)





- Cyan (50%)
- Magenta (37%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.1895, 0.3513, 0.4680 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 30.1895, 0.3513, 0.4680 by changing the saturation by 10% instead.


 30.1895, 0.3513,
0.4680

 30.1895, 0.3513,
0.4680


 302.7868, 0.3339,
0.3910

 19.9825, 0.3542,
0.4893


 59.9617, 0.3458,
0.4383

 12.3823, 0.3565,
0.5176


 80.2957, 0.3435,
0.4277


 7.0046, 0.3564,
0.5562

 104.7742, 0.3414,
0.4189

 3.4650, 0.3639,
0.6361

 133.7814, 0.3395,
0.4115

 1.3790, 0.3115,
0.6885

 167.7019, 0.3379,
0.4052

 0.2012, 0.0000,
1.0000

206.9200, 0.3364,

 0.0000, 0.0000,

0.3998

0.0000

251.8202, 0.3351,
0.3951

■ 30.1895, 0.3513,
0.4680

■ 30.1895, 0.3513,
0.4680

■ 29.5184, 0.3555,
0.4940

■ 30.9497, 0.3454,
0.4404

■ 28.9278, 0.3577,
0.5170

■ 31.7994, 0.3384,
0.4123

■ 28.4136, 0.3576,
0.5358

■ 32.7438, 0.3306,
0.3846

■ 27.9697, 0.3552,
0.5499

■ 33.7866, 0.3224,
0.3582

■ 27.6492, 0.3522,
0.5586

■ 34.9313, 0.3142,
0.3334

■ 36.1810, 0.3062,
0.3106

■ 37.5389, 0.2985,
0.2897

■ 39.0080, 0.2911,
0.2708

■ 40.5911, 0.2843,
0.2538

Harmonies

Analogous

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



30.1895, 0.4167, 0.4479



30.1895, 0.3513, 0.4680



30.1895, 0.2793, 0.4371

Triad

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



30.1895, 0.3513, 0.4680



30.1895, 0.1847, 0.2365



30.1895, 0.4087, 0.2910

Complementary

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



30.1895, 0.3513, 0.4680



11.1657, 0.2522, 0.1824

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.



30.1895, 0.3339, 0.2474



30.1895, 0.3513, 0.4680



30.1895, 0.2094, 0.2157

Square

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



30.1895, 0.3513, 0.4680



30.1895, 0.1878, 0.2869



30.1895, 0.2610, 0.2206



30.1895, 0.4559, 0.3443

Rectangle

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



30.1895, 0.3513, 0.4680



30.1895, 0.2374, 0.3902



30.1895, 0.2610, 0.2206



30.1895, 0.3854, 0.2750

Sweetspot

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



30.1908, 0.3513, 0.4680



60.4779, 0.3261, 0.3697



18.9112, 0.4279, 0.3801



13.1846, 0.3276, 0.3748



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.



30.1908, 0.3513, 0.4680



53.4413, 0.3559, 0.4972



27.6917, 0.3129, 0.4864



7.5886, 0.3203, 0.3515



21.5624, 0.3528, 0.5581



0.4096, 0.3802, 0.5363

Inverse Universe

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



11.1657, 0.2522, 0.1824



15.0954, 0.2351, 0.1497



14.3632, 0.3052, 0.2026



6.5576, 0.3046, 0.3063



2.8417, 0.1861, 0.0799



0.0746, 0.2324, 0.1054

Previews

White Background



This preview shows how the Yxy color 30.1895, 0.3513, 0.4680 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 30.1895, 0.3513, 0.4680 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

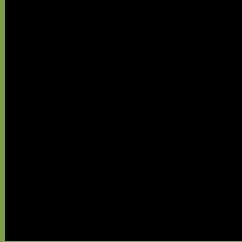
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.1895, 0.3513, 0.4680

Background



This preview shows how black text looks on a background with the Yxy color 30.1895, 0.3513, 0.4680.



This preview shows how white text looks on a background with the Yxy color 30.1895, 0.3513, 0.4680.

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

30.1895, 0.3513, 0.4680

Protanopia

29.9753, 0.4034, 0.4403

Deuteranopia

29.9003, 0.4203, 0.4122



Tritanopia

30.1808, 0.2893, 0.3101

Trichromacy



Original Color

30.1895, 0.3513, 0.4680

Protanomaly

29.8562, 0.3838, 0.4513

Deuteranomaly

29.7555, 0.3941, 0.4328

Tritanomaly

29.8455, 0.3130, 0.3656

Monochromacy



Original Color

30.1895, 0.3513, 0.4680

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

27.7221, 0.3291, 0.3800

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.1895, 0.3513, 0.4680 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(127, 160, 77)` looks like.

```
.text, #text, p{  
    color:rgb(127, 160, 77)  
}
```

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(127, 160, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 160, 77) }
```

Border

The CSS property to change the border of an element to Yxy 30.1895, 0.3513, 0.4680 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(127, 160, 77) }
```

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

```
.border{ border-color:rgb(127, 160, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 160, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 160, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 160, 77);  
box-shadow:4px 4px 4px 4px rgb(127, 160,  
77) }
```


Background

The CSS property to change the background color of an element to Yxy 30.1895, 0.3513, 0.4680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 160, 77) }
```

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

```
.background{ background-color: rgb(127,  
160, 77) }
```

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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