

Converting Colors

$Y_{xy}(31.1265, 0.3703, 0.5185)$

Have a look what the booklet for
Yxy(31.1265, 0.3703, 0.5185)
contains.

Yxy(31.1265, 0.3703, 0.5185)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(31.1265, 0.3703, 0.5185)

Conversions

Conversions Part 1

Format	Color
Hex	7EA426
RGB	126, 164, 38
RGB Percent	49%, 64%, 15%
CMY	0.5059, 0.3568, 0.8507
CMYK	0.23, 0.00, 0.77, 0.36
HSL	78°, 62%, 40%
HSV	78°, 77%, 64%
XYZ	22.2298, 31.1265, 6.6755
YIQ	138.2740, 17.7980, -47.2420

Conversions

Conversions Part 2

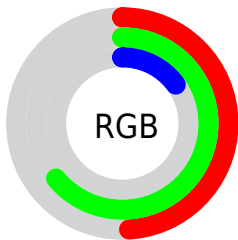
Format	Color
RYB	38, 164, 76
Decimal	8299558
CIELab	62.61, -30.79, 56.68
CIElCh	63, 64.504, 118.516
Yxy	31.1265, 0.3703, 0.5185
Android (android.graphics.Color)	4286489638 (0xFF7EA426)
YUV	138.2740, -49.4351, -10.7643
Hunter-Lab	55.7911, -26.5118, 31.9596

Details

The Yxy color **31.1265, 0.3703, 0.5185** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **5.6109, 0.2010, 0.1086**, and the grayscale version is **25.7165, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.3984, 0.3648, 0.4806**, and **12.9661, 0.3604, 0.5520** is the 20% darker color. If you saturate the color by 10%, you get **30.6771, 0.3704, 0.5333**, and if you desaturate by 10%, it is **31.6439, 0.3677, 0.4993**.

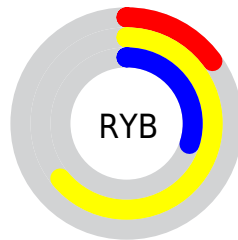
Distribution



Red (49%)

Green (64%)

Blue (15%)



Red (15%)

Yellow (64%)

Blue (30%)

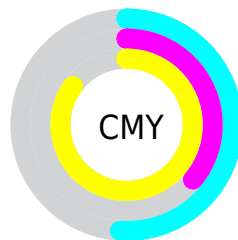


Cyan (23%)

Magenta (0%)

Yellow (77%)

Black (36%)



Cyan (51%)


Magenta (36%)


Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.1265, 0.3703, 0.5185 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 31.1265, 0.3703, 0.5185 by changing the saturation by 10% instead.


 31.1265, 0.3703,
0.5185


 31.1265, 0.3703,
0.5185


 307.1207, 0.3474,
0.4162

 20.6952, 0.3720,
0.5443


 61.4392, 0.3645,
0.4805

 12.9014, 0.3708,
0.5761


 82.0893, 0.3614,
0.4664

 7.3607, 0.3711,
0.6289


 106.9146, 0.3586,
0.4545

 3.6887, 0.3397,
0.6603

 136.2993, 0.3559,
0.4445

 1.5010, 0.2772,
0.7228

 170.6278, 0.3535,
0.4359

 0.2894, 0.0000,
1.0000

 210.2847, 0.3512,

 0.0000, 0.0000,

0.4284

0.0000

255.6542, 0.3492,
0.4219

■ 31.1265, 0.3703,
0.5185

■ 31.1265, 0.3703,
0.5185

■ 30.6771, 0.3704,
0.5333

■ 31.6439, 0.3677,
0.4993

■ 30.2833, 0.3683,
0.5435

■ 32.2310, 0.3629,
0.4765

■ 30.1636, 0.3674,
0.5465

■ 32.8939, 0.3561,
0.4511

■ 33.6372, 0.3479,
0.4244

■ 34.4649, 0.3388,
0.3973

■ 35.3807, 0.3291,
0.3708

■ 36.3881, 0.3193,
0.3454

■ 37.4903, 0.3096,
0.3215

■ 38.6903, 0.3003,
0.2995

Harmonies

Analogous

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



31.1265, 0.4547, 0.4714



31.1265, 0.3703, 0.5185



31.1265, 0.2765, 0.4949

Triad

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



31.1265, 0.3703, 0.5185



31.1265, 0.1471, 0.2119



31.1265, 0.4294, 0.2679

Complementary

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



31.1265, 0.3703, 0.5185



5.6109, 0.2010, 0.1086

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.



31.1265, 0.3236, 0.2168



31.1265, 0.3703, 0.5185



31.1265, 0.1723, 0.1840

Square

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



31.1265, 0.3703, 0.5185



31.1265, 0.1541, 0.2808



31.1265, 0.2311, 0.1873



31.1265, 0.5015, 0.3318

Rectangle

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



31.1265, 0.3703, 0.5185



31.1265, 0.2206, 0.4312



31.1265, 0.2311, 0.1873



31.1265, 0.3953, 0.2490

Sweetspot

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



31.1279, 0.3703, 0.5185



63.0960, 0.3356, 0.3883



13.1815, 0.5234, 0.3783



13.6731, 0.3388, 0.3975



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



31.1279, 0.3703, 0.5185



55.1765, 0.3691, 0.5407



27.7579, 0.3150, 0.5571



8.1295, 0.3217, 0.3515



23.1525, 0.3679, 0.5461



0.5093, 0.3875, 0.5305

Inverse Universe

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



5.6109, 0.2010, 0.1086



6.8321, 0.1780, 0.0790



9.5444, 0.2833, 0.1501



6.9588, 0.3032, 0.3061



2.5877, 0.1721, 0.0722



0.0779, 0.2126, 0.0945

Previews

White Background



This preview shows how the Yxy color 31.1265, 0.3703, 0.5185 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 31.1265, 0.3703, 0.5185 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 31.1265, 0.3703, 0.5185

Background



This preview shows how black text looks on a background with the Yxy color 31.1265, 0.3703, 0.5185.



This preview shows how white text looks on a background with the Yxy color 31.1265, 0.3703, 0.5185.

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

31.1265, 0.3703, 0.5185

Protanopia

30.8006, 0.4312, 0.4752

Deuteranopia

30.6690, 0.4543, 0.4448



Tritanopia

31.0745, 0.2896, 0.3103

Trichromacy



Original Color

31.1265, 0.3703, 0.5185

Protanomaly

30.7743, 0.4081, 0.4918

Deuteranomaly

30.4221, 0.4225, 0.4717

Tritanomaly

30.5967, 0.3254, 0.3923

Monochromacy



Original Color

31.1265, 0.3703, 0.5185

Achromatopsia

25.4152, 0.3127, 0.3290

Achromatomaly

26.8951, 0.3427, 0.4067

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.1265, 0.3703, 0.5185 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(126, 164, 38)` looks like.

```
.text, #text, p{  
    color:rgb(126, 164, 38)  
}
```

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(126, 164, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 164, 38) }
```

Border

The CSS property to change the border of an element to Yxy 31.1265, 0.3703, 0.5185 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(126, 164, 38) }
```

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

```
.border{ border-color:rgb(126, 164, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 164, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 164, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 164, 38);  
box-shadow:4px 4px 4px 4px rgb(126, 164,  
38) }
```


Background

The CSS property to change the background color of an element to Yxy 31.1265, 0.3703, 0.5185 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 164, 38) }
```

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

```
.background{ background-color: rgb(126,  
164, 38) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor