

Converting Colors

$Y_{xy}(30.6432, 0.3933, 0.5259)$

Have a look what the booklet for
Yxy(30.6432, 0.3933, 0.5259)
contains.

Yxy(30.7240, 0.3925, 0.5266)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(30.7240, 0.3925, 0.5266)

Conversions

Conversions Part 1

Format	Color
Hex	88A100
RGB	136, 161, 0
RGB Percent	53%, 63%, 0%
CMY	0.4666, 0.3686, 1.0000
CMYK	0.16, 0.00, 1.00, 0.37
HSL	69°, 100%, 32%
HSV	69°, 100%, 63%
XYZ	22.9001, 30.7240, 4.7200
YIQ	135.1710, 36.7810, -55.3710

Conversions

Conversions Part 2

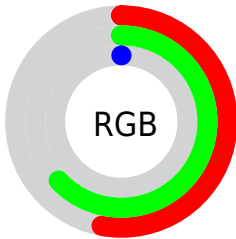
Format	Color
RYB	0, 161, 25
Decimal	8954112
CIELab	62.27, -26.26, 64.70
CIELCh	62, 69.825, 112.093
Yxy	30.7240, 0.3925, 0.5266
Android (android.graphics.Color)	4287144192 (0xFF88A100)
YUV	135.1710, -66.6393, 0.7270
Hunter-Lab	55.4292, -23.2556, 33.7517

Details

The Yxy color **30.7240, 0.3925, 0.5266** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **2.7796, 0.1571, 0.0639**, and the grayscale version is **24.5398, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.9436, 0.3840, 0.4897**, and **12.6866, 0.3766, 0.5392** is the 20% darker color. If you saturate the color by 10%, you get **30.7256, 0.3925, 0.5266**, and if you desaturate by 10%, it is **30.9750, 0.3926, 0.5195**.

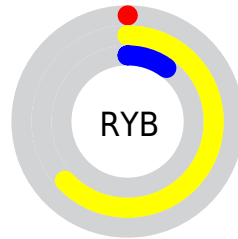
Distribution



Red (53%)

Green (63%)

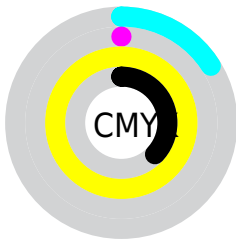
Blue (0%)



Red (0%)

Yellow (63%)

Blue (10%)

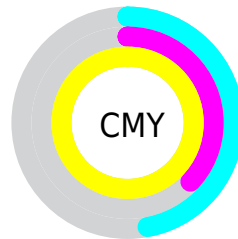


Cyan (16%)

Magenta (0%)

Yellow (100%)

Black (37%)



Cyan (47%)

Magenta (37%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.7240, 0.3925, 0.5266 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 30.7240, 0.3925, 0.5266 by changing the saturation by 10% instead.


 30.7240, 0.3925,
0.5266


 30.7240, 0.3925,
0.5266


305.2648, 0.3603,
0.4234


 20.3888, 0.3951,
0.5502


 60.8053, 0.3842,
0.4898

 12.6780, 0.3950,
0.5788


 81.3201, 0.3799,
0.4756

 7.2072, 0.3880,
0.6120


 105.9969, 0.3759,
0.4635

 3.5920, 0.3610,
0.6390

 135.2202, 0.3722,
0.4531

 1.4481, 0.3099,
0.6901

 169.3741, 0.3688,
0.4442


 0.2517, 0.0000,
1.0000

 208.8433, 0.3657,

 0.0000, 0.0000,


0.4363


0.0000


 254.0121, 0.3629,
0.4295


 30.7240, 0.3925,
0.5266

 30.7240, 0.3925,
0.5266


 30.7256, 0.3925,
0.5266

 30.9750, 0.3926,
0.5195

 31.2592, 0.3908,
0.5091

 31.5912, 0.3865,
0.4943

 31.9766, 0.3797,
0.4755

 32.4199, 0.3709,
0.4535

■ 32.9255, 0.3605,
0.4294

■ 33.4969, 0.3491,
0.4040

■ 34.1378, 0.3370,
0.3783

■ 34.8512, 0.3247,
0.3532

Harmonies

Analogous

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



30.7240, 0.4787, 0.4629



30.7240, 0.3925, 0.5266



30.7240, 0.2927, 0.5257

Triad

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



30.7240, 0.3925, 0.5266



30.7240, 0.1353, 0.2140



30.7240, 0.4156, 0.2499

Complementary

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



30.7240, 0.3925, 0.5266



2.7796, 0.1571, 0.0639

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.



30.7240, 0.2999, 0.2005



30.7240, 0.3925, 0.5266



30.7240, 0.1546, 0.1773

Square

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



30.7240, 0.3925, 0.5266



30.7240, 0.1494, 0.2978



30.7240, 0.2082, 0.1750



30.7240, 0.5063, 0.3147

Rectangle

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



30.7240, 0.3925, 0.5266



30.7240, 0.2301, 0.4673



30.7240, 0.2082, 0.1750



30.7240, 0.3768, 0.2312

Sweetspot

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



30.7256, 0.3925, 0.5266



59.9292, 0.3497, 0.4054



8.2366, 0.6245, 0.3423



13.0523, 0.3543, 0.4155



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.



30.7256, 0.3925, 0.5266



54.9567, 0.3920, 0.5270



26.3407, 0.3195, 0.5845



8.1814, 0.3239, 0.3514



24.5539, 0.3927, 0.5264



0.5300, 0.4030, 0.5182

Inverse Universe

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



2.7796, 0.1571, 0.0639



4.9226, 0.1560, 0.0633



5.5553, 0.2353, 0.1070



6.9103, 0.3010, 0.3059



2.2321, 0.1576, 0.0642



0.0611, 0.1843, 0.0789

Previews

White Background



This preview shows how the Yxy color 30.7240, 0.3925, 0.5266 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 30.7240, 0.3925, 0.5266 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

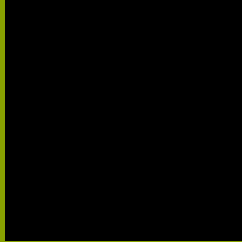
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.7240, 0.3925, 0.5266

Background



This preview shows how black text looks on a background with the Yxy color 30.7240, 0.3925, 0.5266.



This preview shows how white text looks on a background with the Yxy color 30.7240, 0.3925, 0.5266.

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

30.7240, 0.3925, 0.5266

Protanopia

30.6793, 0.4403, 0.4886

Deuteranopia

30.6759, 0.4645, 0.4557



Tritanopia

30.7755, 0.3016, 0.3121

Trichromacy



Original Color

30.7240, 0.3925, 0.5266

Protanomaly

30.7118, 0.4226, 0.5026

Deuteranomaly

30.4024, 0.4381, 0.4827

Tritanomaly

29.9998, 0.3512, 0.4139

Monochromacy



Original Color

30.7240, 0.3925, 0.5266

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

25.7693, 0.3604, 0.4291

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.7240, 0.3925, 0.5266 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(136, 161, 0)` looks like.

```
.text, #text, p{  
    color:rgb(136, 161, 0)  
}
```

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(136, 161, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 161, 0) }
```

Border

The CSS property to change the border of an element to Yxy 30.7240, 0.3925, 0.5266 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(136, 161, 0) }
```

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

```
.border{ border-color:rgb(136, 161, 0) }
```

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

Here you see how a box with a 4 pixel rgb(136, 161, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 161, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 161, 0);  
box-shadow:4px 4px 4px 4px rgb(136, 161,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 30.7240, 0.3925, 0.5266 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 161, 0) }
```

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

```
.background{ background-color: rgb(136,  
161, 0) }
```

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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