

Converting Colors

$Y_{xy}(24.1251, 0.3842, 0.5209)$

Have a look what the booklet for
Yxy(24.1251, 0.3842, 0.5209)
contains.

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Color

Yxy(24.2232, 0.3842, 0.5212)

Conversions

Conversions Part 1

Format	Color
Hex	779114
RGB	119, 145, 20
RGB Percent	47%, 57%, 8%
CMY	0.5335, 0.4313, 0.9215
CMYK	0.18, 0.00, 0.86, 0.43
HSL	73°, 76%, 32%
HSV	73°, 86%, 57%
XYZ	17.8560, 24.2232, 4.3966
YIQ	122.9760, 24.6290, -44.3870

Conversions

Conversions Part 2

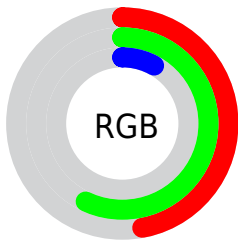
Format	Color
R_{YB}	20, 145, 46
Decimal	7835924
CIE Lab	56.31, -25.32, 56.06
CIE LCh	56, 61.512, 114.307
Yxy	24.2232, 0.3842, 0.5212
Android (android.graphics.Color)	4286026004 (0xFF779114)
YUV	122.9760, -50.7672, -3.4870
Hunter-Lab	49.2171, -21.3699, 29.1555

Details

The Yxy color **24.2232, 0.3842, 0.5212** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **3.1277, 0.1770, 0.0853**, and the grayscale version is **19.9627, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.3956, 0.3756, 0.4822**, and **9.1637, 0.3708, 0.5438** is the 20% darker color. If you saturate the color by 10%, you get **23.9755, 0.3839, 0.5304**, and if you desaturate by 10%, it is **24.5094, 0.3822, 0.5078**.

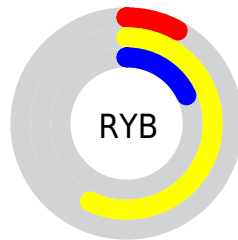
Distribution



Red (47%)

Green (57%)

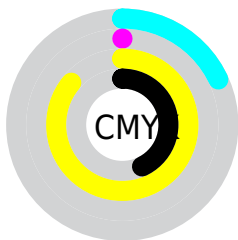
Blue (8%)



Red (8%)

Yellow (57%)

Blue (18%)

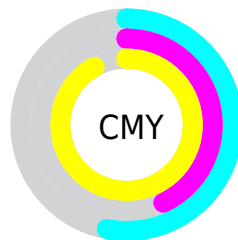


Cyan (18%)

Magenta (0%)

Yellow (86%)

Black (43%)



Cyan (53%)


Magenta (43%)


Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.2232, 0.3842, 0.5212 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 24.2232, 0.3842, 0.5212 by changing the saturation by 10% instead.


 24.2232, 0.3842,
0.5212


 24.2232, 0.3842,
0.5212


273.9470, 0.3534,
0.4153


 15.4993, 0.3869,
0.5479


 50.3942, 0.3758,
0.4816

 9.1705, 0.3877,
0.5832


 68.6100, 0.3717,
0.4669


 4.8526, 0.3777,
0.6223

 90.7586, 0.3678,
0.4546

 2.1610, 0.3424,
0.6576

 117.2244, 0.3643,
0.4443

 0.6986, 0.0617,
0.9383

 148.3917, 0.3611,
0.4354

 0.0000, 0.0000,
0.0000

 184.6450, 0.3583,

0.4278

226.3686, 0.3557,
0.4211

24.2232, 0.3842,
0.5212

24.2232, 0.3842,
0.5212

23.9755, 0.3839,
0.5304

24.5094, 0.3822,
0.5078

23.8852, 0.3836,
0.5336

24.8368, 0.3777,
0.4902

25.2105, 0.3711,
0.4690

25.6340, 0.3626,
0.4453

26.1104, 0.3527,
0.4200

■ 26.6426, 0.3419,
0.3941

■ 27.2332, 0.3308,
0.3685

■ 27.8845, 0.3196,
0.3437

■ 28.5988, 0.3086,
0.3203

Harmonies

Analogous

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



24.2232, 0.4683, 0.4649



24.2232, 0.3842, 0.5212



24.2232, 0.2877, 0.5112

Triad

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



24.2232, 0.3842, 0.5212



24.2232, 0.1416, 0.2150



24.2232, 0.4190, 0.2574

Complementary

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



24.2232, 0.3842, 0.5212



3.1277, 0.1770, 0.0853

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.



24.2232, 0.3086, 0.2079



24.2232, 0.3842, 0.5212



24.2232, 0.1627, 0.1817

Square

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



24.2232, 0.3842, 0.5212



24.2232, 0.1533, 0.2924



24.2232, 0.2177, 0.1812



24.2232, 0.5016, 0.3213

Rectangle

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



24.2232, 0.3842, 0.5212



24.2232, 0.2282, 0.4517



24.2232, 0.2177, 0.1812



24.2232, 0.3825, 0.2388

Sweetspot

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



24.2243, 0.3842, 0.5212



47.6705, 0.3423, 0.3950



7.9492, 0.5736, 0.3578



10.5378, 0.3457, 0.4030



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



24.2243, 0.3842, 0.5212



42.6917, 0.3829, 0.5342



21.1898, 0.3211, 0.5684



6.2295, 0.3229, 0.3510



20.4950, 0.3838, 0.5334



0.2051, 0.4019, 0.5191

Inverse Universe

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



3.1277, 0.1770, 0.0853



4.0987, 0.1604, 0.0657



5.7032, 0.2583, 0.1282



5.3058, 0.3020, 0.3065



2.0027, 0.1624, 0.0668



0.0271, 0.1992, 0.0871

Previews

White Background



This preview shows how the Yxy color 24.2232, 0.3842, 0.5212 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 24.2232, 0.3842, 0.5212 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 × Fail

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

Yxy 24.2232, 0.3842, 0.5212

Background



This preview shows how black text looks on a background with the Yxy color 24.2232, 0.3842, 0.5212.



This preview shows how white text looks on a background with the Yxy color 24.2232, 0.3842, 0.5212.

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

24.2232, 0.3842, 0.5212

Protanopia

24.0438, 0.4362, 0.4830

Deuteranopia

24.0887, 0.4602, 0.4514



Tritanopia

24.2286, 0.2973, 0.3103

Trichromacy



Original Color

24.2232, 0.3842, 0.5212

Protanomaly

24.0844, 0.4165, 0.4976

Deuteranomaly

23.7133, 0.4321, 0.4766

Tritanomaly

23.8974, 0.3393, 0.3997

Monochromacy



Original Color

24.2232, 0.3842, 0.5212

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

21.0421, 0.3509, 0.4143

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.2232, 0.3842, 0.5212 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(119, 145, 20)` looks like.

```
.text, #text, p{  
    color:rgb(119, 145, 20)  
}
```

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(119, 145, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 145, 20) }
```

Border

The CSS property to change the border of an element to Yxy 24.2232, 0.3842, 0.5212 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(119, 145, 20) }
```

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

```
.border{ border-color:rgb(119, 145, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 145, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 145, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 145, 20);  
box-shadow:4px 4px 4px 4px rgb(119, 145,  
20) }
```


Background

The CSS property to change the background color of an element to Yxy 24.2232, 0.3842, 0.5212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 145, 20) }
```

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

```
.background{ background-color: rgb(119,  
145, 20) }
```

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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