

Converting Colors

$Y_{xy}(30.1855, 0.4765, 0.4435)$

Have a look what the booklet for
Yxy(30.1855, 0.4765, 0.4435)
contains.

Yxy(30.1462, 0.4765, 0.4439)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(30.1462, 0.4765, 0.4439)

Conversions

Conversions Part 1

Format	Color
Hex	C58A1F
RGB	197, 138, 31
RGB Percent	77%, 54%, 12%
CMY	0.2275, 0.4588, 0.8786
CMYK	0.00, 0.30, 0.84, 0.23
HSL	39°, 73%, 45%
HSV	39°, 84%, 77%
XYZ	32.3601, 30.1462, 5.4058
YIQ	143.4430, 69.5110, -20.7690

Conversions

Conversions Part 2

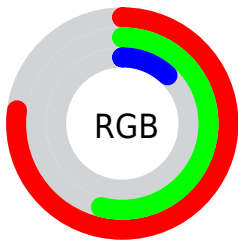
Format	Color
RYB	123, 197, 31
Decimal	12945951
CIELab	61.78, 13.88, 60.60
CIElCh	62, 62.165, 77.102
Yxy	30.1462, 0.4765, 0.4439
Android (android.graphics.Color)	4291136031 (0xFFC58A1F)
YUV	143.4430, -55.4344, 46.9695
Hunter-Lab	54.9056, 9.1193, 32.5964

Details

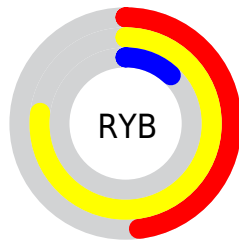
The Yxy color **30.1462, 0.4765, 0.4439** is a dark color, and the websafe version is hex **CC9933**. The color can be described as dark washed orange. A complement of this color would be **11.6228, 0.1781, 0.1449**, and the grayscale version is **27.8590, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.1935, 0.4469, 0.4298**, and **12.3827, 0.4988, 0.4421** is the 20% darker color. If you saturate the color by 10%, you get **28.1298, 0.4918, 0.4434**, and if you desaturate by 10%, it is **32.3584, 0.4581, 0.4393**.

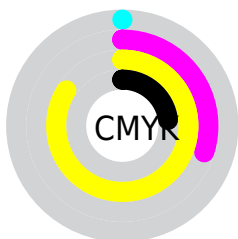
Distribution



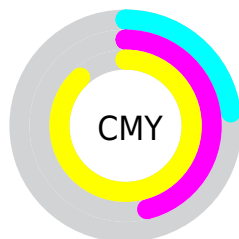
- Red (77%)
- Green (54%)
- Blue (12%)



- Red (48%)
- Yellow (77%)
- Blue (12%)



- Cyan (0%)
- Magenta (30%)
- Yellow (84%)
- Black (23%)





- Cyan (23%)
- Magenta (46%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.1462, 0.4765, 0.4439 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 30.1462, 0.4765, 0.4439 by changing the saturation by 10% instead.


 30.1462, 0.4765,
0.4439


 30.1462, 0.4765,
0.4439


 302.5853, 0.3955,
0.3931

 19.9496, 0.4934,
0.4517


 59.8933, 0.4489,
0.4285


 12.3584, 0.5123,
0.4581


 80.2126, 0.4378,
0.4217

 6.9883, 0.5361,
0.4639


 104.6749, 0.4282,
0.4155

 3.4548, 0.5485,
0.4515

 133.6646, 0.4199,
0.4100

 1.3735, 0.5691,
0.4309

 167.5661, 0.4126,
0.4051

 0.1971, 0.7275,
0.2725

 206.7638, 0.4062,

 0.0000, 0.0000,

0.4006

0.0000

251.6421, 0.4006,
0.3967

■ 30.1462, 0.4765,
0.4439

■ 30.1462, 0.4765,
0.4439

■ 28.1298, 0.4918,
0.4434

■ 32.3584, 0.4581,
0.4393

■ 27.0520, 0.4996,
0.4415

■ 34.7742, 0.4375,
0.4301

■ 37.4058, 0.4159,
0.4174

■ 40.2626, 0.3942,
0.4022

■ 43.3531, 0.3733,
0.3857

■ 46.6853, 0.3537,
0.3687

■ 50.2667, 0.3356,
0.3519

■ 54.1042, 0.3192,
0.3357

■ 58.2045, 0.3045,
0.3204

Harmonies

Analogous

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



30.1462, 0.5083, 0.3743



30.1462, 0.4765, 0.4439



30.1462, 0.4034, 0.5022

Triad

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



30.1462, 0.4765, 0.4439



30.1462, 0.1693, 0.3198



30.1462, 0.2859, 0.2053

Complementary

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



30.1462, 0.4765, 0.4439



11.6228, 0.1781, 0.1449

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.



30.1462, 0.2069, 0.1856



30.1462, 0.4765, 0.4439



30.1462, 0.1491, 0.2352

Square

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



30.1462, 0.4765, 0.4439



30.1462, 0.2265, 0.4334



30.1462, 0.1620, 0.1934



30.1462, 0.3885, 0.2483

Rectangle

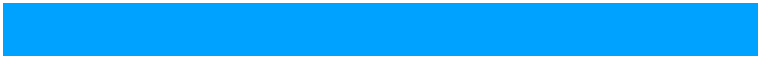
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



30.1462, 0.4765, 0.4439



30.1462, 0.3435, 0.5159



30.1462, 0.1620, 0.1934



30.1462, 0.2559, 0.1959

Sweetspot

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



30.1477, 0.4765, 0.4439



82.9451, 0.3558, 0.3706



13.6167, 0.5044, 0.2700



17.2908, 0.3627, 0.3767



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



30.1477, 0.4765, 0.4439



47.9596, 0.5011, 0.4403



49.1256, 0.3953, 0.5130



11.7585, 0.3274, 0.3439



17.9568, 0.4983, 0.4425



0.9832, 0.4778, 0.4588

Inverse Universe

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



11.6228, 0.1781, 0.1449



14.6315, 0.1640, 0.1103



5.7676, 0.1693, 0.0811



10.8937, 0.2983, 0.3137



5.6751, 0.1654, 0.1153



0.4053, 0.1774, 0.1584

Previews

White Background



This preview shows how the Yxy color 30.1462, 0.4765, 0.4439 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 30.1462, 0.4765, 0.4439 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 30.1462, 0.4765, 0.4439

Background



This preview shows how black text looks on a background with the Yxy color 30.1462, 0.4765, 0.4439.



This preview shows how white text looks on a background with the Yxy color 30.1462, 0.4765, 0.4439.

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

30.1462, 0.4765, 0.4439

Protanopia

30.2530, 0.4306, 0.4764

Deuteranopia

30.2535, 0.4643, 0.4549



Tritanopia

30.2320, 0.3893, 0.3175

Trichromacy



Original Color

30.1462, 0.4765, 0.4439

Protanomaly

30.2513, 0.4474, 0.4644

Deuteranomaly

30.3500, 0.4682, 0.4511

Tritanomaly

29.8209, 0.4316, 0.3721

Monochromacy



Original Color

30.1462, 0.4765, 0.4439

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

27.7956, 0.3789, 0.3897

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.1462, 0.4765, 0.4439 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(197, 138, 31)` looks like.

```
.text, #text, p{  
    color:rgb(197, 138, 31)  
}
```

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(197, 138, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 138, 31) }
```

Border

The CSS property to change the border of an element to Yxy 30.1462, 0.4765, 0.4439 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(197, 138, 31) }
```

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

```
.border{ border-color:rgb(197, 138, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 138, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 138, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 138, 31);  
box-shadow:4px 4px 4px 4px rgb(197, 138,  
31) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 30.1462, 0.4765, 0.4439$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 138, 31) }
```

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

```
.background{ background-color: rgb(197,  
138, 31) }
```

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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