

Converting Colors

$Y_{xy}(30.7612, 0.4821, 0.4537)$

Have a look what the booklet for
Yxy(30.7612, 0.4821, 0.4537)
contains.

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Color

Yxy(30.7729, 0.4820, 0.4537)

Conversions

Conversions Part 1

Format	Color
Hex	C68C05
RGB	198, 140, 5
RGB Percent	78%, 55%, 2%
CMY	0.2236, 0.4509, 0.9802
CMYK	0.00, 0.29, 0.97, 0.22
HSL	42°, 95%, 40%
HSV	42°, 97%, 78%
XYZ	32.6924, 30.7729, 4.3612
YIQ	141.9520, 77.9030, -29.6890

Conversions

Conversions Part 2

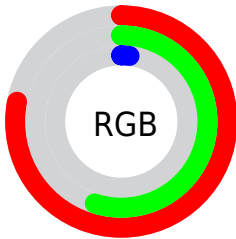
Format	Color
R _Y B	88, 198, 5
Decimal	13011973
CIE Lab	62.32, 12.76, 66.60
CIE LCh	62, 67.808, 79.154
Yxy	30.7729, 0.4820, 0.4537
Android (android.graphics.Color)	4291202053 (0xFFC68C05)
YUV	141.9520, -67.5173, 49.1541
Hunter-Lab	55.4733, 8.1180, 34.1700

Details

The Yxy color **30.7729, 0.4820, 0.4537** is a dark color, and the websafe version is hex **CC9900**. The color can be described as dark washed orange. A complement of this color would be **7.6670, 0.1627, 0.1037**, and the grayscale version is **27.2824, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.8943, 0.4518, 0.4396**, and **12.8013, 0.4963, 0.4442** is the 20% darker color. If you saturate the color by 10%, you get **30.3233, 0.4849, 0.4532**, and if you desaturate by 10%, it is **32.6191, 0.4699, 0.4544**.

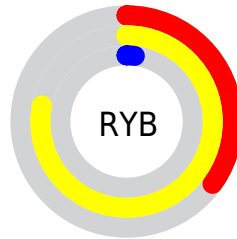
Distribution



Red (78%)

Green (55%)

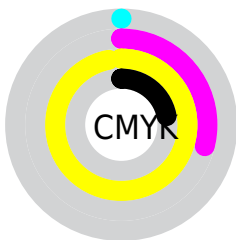
Blue (2%)



Red (35%)

Yellow (78%)

Blue (2%)

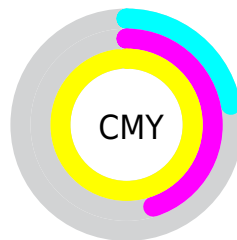


Cyan (0%)

Magenta (29%)

Yellow (97%)

Black (22%)



Cyan (22%)


Magenta (45%)

Yellow (98%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.7729, 0.4820, 0.4537 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 30.7729, 0.4820, 0.4537 by changing the saturation by 10% instead.


 30.7729, 0.4820,
0.4537


 30.7729, 0.4820,
0.4537


305.4907, 0.4007,
0.4001


 20.4260, 0.4977,
0.4611


 60.8823, 0.4552,
0.4381


 12.7051, 0.5158,
0.4678


 81.4137, 0.4441,
0.4309

 7.2258, 0.5319,
0.4681


 106.1086, 0.4344,
0.4244

 3.6037, 0.5430,
0.4570

 135.3515, 0.4259,
0.4185

 1.4544, 0.5616,
0.4384

 169.5267, 0.4184,
0.4131


 0.2563, 0.6841,
0.3159

 209.0187, 0.4118,

 0.0000, 0.0000,


0.4083


0.0000


 254.2119, 0.4059,
0.4040


 30.7729, 0.4820,
0.4537


 30.7729, 0.4820,
0.4537


 30.3233, 0.4849,
0.4532

 32.6191, 0.4699,
0.4544

 34.6180, 0.4549,
0.4503

 36.7850, 0.4372,
0.4416

 39.1305, 0.4179,
0.4288

 41.6633, 0.3979,
0.4133

■ 44.3915, 0.3780,
0.3959

■ 47.3223, 0.3588,
0.3777

■ 50.4628, 0.3408,
0.3595

■ 53.8192, 0.3241,
0.3417

Harmonies

Analogous

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



30.7729, 0.5222, 0.3793



30.7729, 0.4820, 0.4537



30.7729, 0.4008, 0.5174

Triad

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



30.7729, 0.4820, 0.4537



30.7729, 0.1567, 0.3100



30.7729, 0.2903, 0.1998

Complementary

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



30.7729, 0.4820, 0.4537



7.6670, 0.1627, 0.1037

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.



30.7729, 0.2041, 0.1773



30.7729, 0.4820, 0.4537



30.7729, 0.1389, 0.2230

Square

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



30.7729, 0.4820, 0.4537



30.7729, 0.2137, 0.4348



30.7729, 0.1547, 0.1828



30.7729, 0.4019, 0.2464

Rectangle

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



30.7729, 0.4820, 0.4537



30.7729, 0.3365, 0.5317



30.7729, 0.1547, 0.1828



30.7729, 0.2575, 0.1894

Sweetspot

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



30.7745, 0.4820, 0.4537



82.7506, 0.3625, 0.3814



12.5089, 0.5639, 0.2899



17.2281, 0.3708, 0.3893



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.



30.7745, 0.4820, 0.4537



53.2494, 0.4861, 0.4522



48.1404, 0.3875, 0.5292



11.8581, 0.3272, 0.3451



19.8781, 0.4838, 0.4541



1.0638, 0.4673, 0.4671

Inverse Universe

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



7.6670, 0.1627, 0.1037



12.4757, 0.1602, 0.0967



4.6458, 0.1602, 0.0668



10.7985, 0.2983, 0.3124



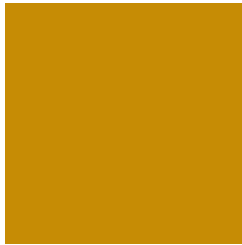
4.8516, 0.1615, 0.1014



0.3587, 0.1735, 0.1446

Previews

White Background



This preview shows how the Yxy color 30.7729, 0.4820, 0.4537 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 30.7729, 0.4820, 0.4537 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 30.7729, 0.4820, 0.4537

Background



This preview shows how black text looks on a background with the Yxy color 30.7729, 0.4820, 0.4537.



This preview shows how white text looks on a background with the Yxy color 30.7729, 0.4820, 0.4537.

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

30.7729, 0.4820, 0.4537

Protanopia

30.7083, 0.4381, 0.4853

Deuteranopia

30.7213, 0.4722, 0.4633



Tritanopia

30.6961, 0.3875, 0.3162

Trichromacy



Original Color

30.7729, 0.4820, 0.4537

Protanomaly

30.5926, 0.4541, 0.4739

Deuteranomaly

30.8197, 0.4761, 0.4595

Tritanomaly

30.3621, 0.4398, 0.3840

Monochromacy



Original Color

30.7729, 0.4820, 0.4537

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

27.5038, 0.3881, 0.4050

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.7729, 0.4820, 0.4537 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(198, 140, 5)` looks like.

```
.text, #text, p{  
    color:rgb(198, 140, 5)  
}
```

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(198, 140, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 140, 5) }
```

Border

The CSS property to change the border of an element to Yxy 30.7729, 0.4820, 0.4537 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(198, 140, 5) }
```

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

```
.border{ border-color:rgb(198, 140, 5) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 140, 5)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 140, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 140, 5);  
box-shadow:4px 4px 4px 4px rgb(198, 140,  
5) }
```


Background

The CSS property to change the background color of an element to Yxy 30.7729, 0.4820, 0.4537 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 140, 5) }
```

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

```
.background{ background-color: rgb(198,  
140, 5) }
```

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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