

Converting Colors

$Y_{xy}(30.1581, 0.4510, 0.3727)$

Have a look what the booklet for
Yxy(30.1581, 0.4510, 0.3727)
contains.

Yxy(30.1925, 0.4502, 0.3734)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(30.1925, 0.4502, 0.3734)

Conversions

Conversions Part 1

Format	Color
Hex	D2815D
RGB	210, 129, 93
RGB Percent	82%, 51%, 36%
CMY	0.1765, 0.4941, 0.6353
CMYK	0.00, 0.39, 0.56, 0.18
HSL	18°, 57%, 59%
HSV	18°, 56%, 82%
XYZ	36.4024, 30.1925, 14.2634
YIQ	149.1150, 59.8320, 5.9760

Conversions

Conversions Part 2

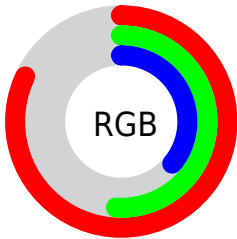
Format	Color
R _Y B	210, 145, 93
Decimal	13795677
CIE Lab	61.82, 27.68, 32.60
CIE LCh	62, 42.762, 49.669
Yxy	30.1925, 0.4502, 0.3734
Android (android.graphics.Color)	4291985757 (0xFFD2815D)
YUV	149.1150, -27.6647, 53.3961
Hunter-Lab	54.9477, 22.0964, 23.0728

Details

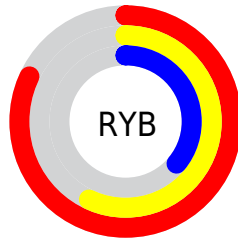
The Yxy color **30.1925, 0.4502, 0.3734** is a dark color, and the websafe version is hex **CC9966**. The color can be described as middle muted orange. A complement of this color would be **37.2418, 0.2316, 0.2758**, and the grayscale version is **30.2065, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.1406, 0.4093, 0.3700**, and **12.4646, 0.4945, 0.3796** is the 20% darker color. If you saturate the color by 10%, you get **26.3106, 0.4862, 0.3783**, and if you desaturate by 10%, it is **34.7243, 0.4169, 0.3664**.

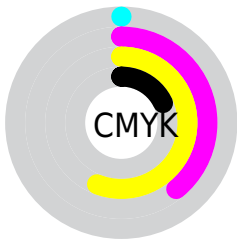
Distribution



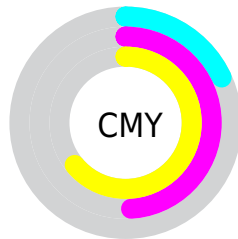
- Red (82%)
- Green (51%)
- Blue (36%)



- Red (82%)
- Yellow (57%)
- Blue (36%)



- Cyan (0%)
- Magenta (39%)
- Yellow (56%)
- Black (18%)





- Cyan (18%)
- Magenta (49%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.1925, 0.4502, 0.3734 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 30.1925, 0.4502, 0.3734 by changing the saturation by 10% instead.

 30.1925, 0.4502,
0.3734


 30.1925, 0.4502,
0.3734


302.8007, 0.3766,
0.3540


 19.9847, 0.4696,
0.3766


 59.9665, 0.4226,
0.3674


 12.3840, 0.4946,
0.3794


 80.3015, 0.4124,
0.3648

 7.0057, 0.5279,
0.3806


 104.7810, 0.4040,
0.3625

 3.4657, 0.5801,
0.3813

 133.7895, 0.3968,
0.3604

 1.3794, 0.6393,
0.3607

167.7113, 0.3907,
0.3586

 0.2015, 0.8115,
0.1885

206.9309, 0.3854,

 0.0000, 0.0000,

0.3569

0.0000

251.8325, 0.3807,
0.3554

■ 30.1925, 0.4502,
0.3734

■ 30.1925, 0.4502,
0.3734

■ 26.3106, 0.4862,
0.3783

■ 34.7243, 0.4169,
0.3664

■ 23.0425, 0.5229,
0.3798

■ 39.9306, 0.3875,
0.3582

■ 20.3554, 0.5571,
0.3768

■ 45.8402, 0.3620,
0.3497

■ 18.2104, 0.5852,
0.3691

■ 52.4786, 0.3402,
0.3413

■ 17.4403, 0.5957,
0.3652

■ 59.8703, 0.3219,
0.3333

■ 68.0384, 0.3064,
0.3259

■ 77.0051, 0.2934,
0.3190

■ 86.4000, 0.2855,
0.3189

■ 92.4404, 0.2860,
0.3289

Harmonies

Analogous

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



30.1925, 0.4294, 0.3215



30.1925, 0.4502, 0.3734



30.1925, 0.4293, 0.4221

Triad

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



30.1925, 0.4502, 0.3734



30.1925, 0.2495, 0.3924



30.1925, 0.2411, 0.2237

Complementary

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



30.1925, 0.4502, 0.3734



37.2418, 0.2316, 0.2758

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.



30.1925, 0.2036, 0.2297



30.1925, 0.4502, 0.3734



30.1925, 0.2072, 0.3199

Square

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



30.1925, 0.4502, 0.3734



30.1925, 0.3117, 0.4457



30.1925, 0.1919, 0.2614



30.1925, 0.3013, 0.2400

Rectangle

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



30.1925, 0.4502, 0.3734



30.1925, 0.3973, 0.4460



30.1925, 0.1919, 0.2614



30.1925, 0.2259, 0.2230

Sweetspot

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



30.1940, 0.4502, 0.3734



79.8436, 0.3432, 0.3425



24.6190, 0.3603, 0.2321



16.6293, 0.3474, 0.3442



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.



30.1940, 0.4502, 0.3734



39.7214, 0.4937, 0.3789



49.8584, 0.4069, 0.4388



12.3934, 0.3283, 0.3362



10.7969, 0.5930, 0.3673



0.7440, 0.5565, 0.3963

Inverse Universe

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



37.2418, 0.2316, 0.2758



51.5431, 0.2182, 0.2619



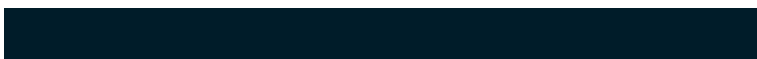
19.5613, 0.2125, 0.1853



12.7673, 0.2983, 0.3217



15.4424, 0.1961, 0.2261



1.0006, 0.2020, 0.2472

Previews

White Background



This preview shows how the Yxy color 30.1925, 0.4502, 0.3734 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 30.1925, 0.4502, 0.3734 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

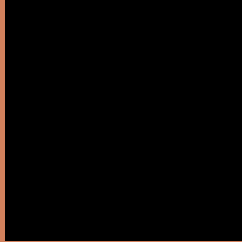
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.1925, 0.4502, 0.3734

Background



This preview shows how black text looks on a background with the Yxy color 30.1925, 0.4502, 0.3734.



This preview shows how white text looks on a background with the Yxy color 30.1925, 0.4502, 0.3734.

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

30.1925, 0.4502, 0.3734

Protanopia

30.4337, 0.3740, 0.4042

Deuteranopia

30.3282, 0.4118, 0.4034



Tritanopia

30.2549, 0.4088, 0.3181

Trichromacy



Original Color

30.1925, 0.4502, 0.3734

Protanomaly

29.8115, 0.4010, 0.3923

Deuteranomaly

30.1388, 0.4257, 0.3922

Tritanomaly

30.2268, 0.4252, 0.3393

Monochromacy



Original Color

30.1925, 0.4502, 0.3734

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

29.5889, 0.3584, 0.3485

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.1925, 0.4502, 0.3734 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(210, 129, 93)` looks like.

```
.text, #text, p{  
    color:rgb(210, 129, 93)  
}
```

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(210, 129, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 129, 93) }
```

Border

The CSS property to change the border of an element to Yxy 30.1925, 0.4502, 0.3734 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(210, 129, 93) }
```

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

```
.border{ border-color:rgb(210, 129, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 129, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 129, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 129, 93);  
box-shadow:4px 4px 4px 4px rgb(210, 129,  
93) }
```


Background

The CSS property to change the background color of an element to Yxy 30.1925, 0.4502, 0.3734 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 129, 93) }
```

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

```
.background{ background-color: rgb(210,  
129, 93) }
```

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