

Converting Colors

$Y_{xy}(31.0558, 0.4765, 0.4124)$

Have a look what the booklet for
Yxy(31.0558, 0.4765, 0.4124)
contains.

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Color

Yxy(31.0781, 0.4765, 0.4123)

Conversions

Conversions Part 1

Format	Color
Hex	D2863C
RGB	210, 134, 60
RGB Percent	82%, 53%, 24%
CMY	0.1765, 0.4745, 0.7647
CMYK	0.00, 0.36, 0.71, 0.18
HSL	30°, 62%, 53%
HSV	30°, 71%, 82%
XYZ	35.9173, 31.0781, 8.3820
YIQ	148.2880, 69.0500, -6.9020

Conversions

Conversions Part 2

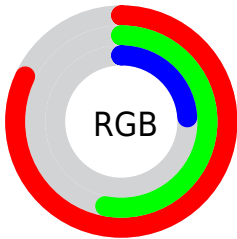
Format	Color
R _Y B	210, 206, 60
Decimal	13796924
CIE Lab	62.57, 22.81, 50.39
CIE LCh	63, 55.313, 65.648
Yxy	31.0781, 0.4765, 0.4123
Android (android.graphics.Color)	4291987004 (0xFFD2863C)
YUV	148.2880, -43.5260, 54.1214
Hunter-Lab	55.7477, 17.4460, 30.1089

Details

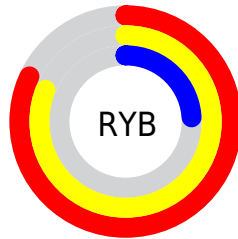
The Yxy color **31.0781, 0.4765, 0.4123** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **23.2197, 0.2031, 0.2115**, and the grayscale version is **29.9062, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.9483, 0.4334, 0.4058**, and **12.9287, 0.5205, 0.4218** is the 20% darker color. If you saturate the color by 10%, you get **28.1053, 0.5031, 0.4150**, and if you desaturate by 10%, it is **34.4381, 0.4486, 0.4052**.

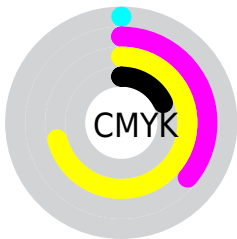
Distribution



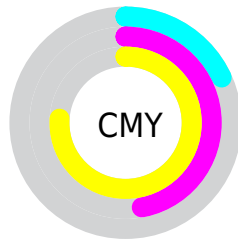
- Red (82%)
- Green (53%)
- Blue (24%)



- Red (82%)
- Yellow (81%)
- Blue (24%)



- Cyan (0%)
- Magenta (36%)
- Yellow (71%)
- Black (18%)





- Cyan (18%)
- Magenta (47%)
- Yellow (76%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 31.0781, 0.4765, 0.4123 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 31.0781, 0.4765, 0.4123 by changing the saturation by 10% instead.


 31.0781, 0.4765,
0.4123


 31.0781, 0.4765,
0.4123


 306.8980, 0.3924,
0.3762


 20.6583, 0.4963,
0.4178


 61.3630, 0.4464,
0.4014


 12.8745, 0.5201,
0.4221


 81.9969, 0.4348,
0.3966

 7.3422, 0.5513,
0.4253


 106.8044, 0.4250,
0.3923


 3.6770, 0.5829,
0.4171

 136.1697, 0.4166,
0.3883

 1.4946, 0.6128,
0.3872

 170.4773, 0.4093,
0.3848

 0.2849, 0.7439,
0.2561

 210.1117, 0.4029,

 0.0000, 0.0000,

0.3817

0.0000

255.4571, 0.3973,
0.3788

■ 31.0781, 0.4765,
0.4123

■ 31.0781, 0.4765,
0.4123

■ 28.1053, 0.5031,
0.4150

■ 34.4381, 0.4486,
0.4052

■ 25.4949, 0.5266,
0.4123

■ 38.1980, 0.4212,
0.3949

■ 23.5221, 0.5439,
0.4063

■ 42.3757, 0.3952,
0.3826

■ 46.9861, 0.3714,
0.3694

■ 52.0433, 0.3501,
0.3560

■ 57.5606, 0.3313,
0.3430

■ 63.5507, 0.3149,
0.3307

■ 70.0256, 0.3005,
0.3192

■ 76.9970, 0.2881,
0.3085

Harmonies

Analogous

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



31.0781, 0.4825, 0.3493



31.0781, 0.4765, 0.4123



31.0781, 0.4244, 0.4688

Triad

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



31.0781, 0.4765, 0.4123



31.0781, 0.2006, 0.3592



31.0781, 0.2590, 0.2074

Complementary

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



31.0781, 0.4765, 0.4123



23.2197, 0.2031, 0.2115

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.



31.0781, 0.1984, 0.1990



31.0781, 0.4765, 0.4123



31.0781, 0.1682, 0.2713

Square

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



31.0781, 0.4765, 0.4123



31.0781, 0.2650, 0.4520



31.0781, 0.1683, 0.2182



31.0781, 0.3449, 0.2394

Rectangle

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



31.0781, 0.4765, 0.4123



31.0781, 0.3744, 0.4908



31.0781, 0.1683, 0.2182



31.0781, 0.2355, 0.2018

Sweetspot

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



31.0797, 0.4765, 0.4123



80.9143, 0.3498, 0.3558



18.7537, 0.4239, 0.2428



16.8340, 0.3554, 0.3595



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.



31.0797, 0.4765, 0.4123



41.3023, 0.5166, 0.4142



58.8903, 0.4093, 0.4838



12.7577, 0.3278, 0.3405



14.5502, 0.5416, 0.4081



0.9722, 0.5133, 0.4306

Inverse Universe

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



23.2197, 0.2031, 0.2115



28.3945, 0.1868, 0.1819



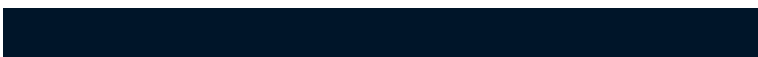
9.1149, 0.1767, 0.1056



12.3935, 0.2982, 0.3172



9.3766, 0.1781, 0.1611



0.6830, 0.1873, 0.1941

Previews

White Background



This preview shows how the Yxy color 31.0781, 0.4765, 0.4123 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 31.0781, 0.4765, 0.4123 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

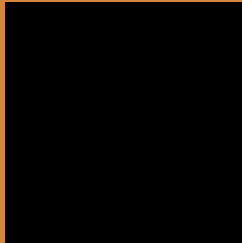
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.0781, 0.4765, 0.4123

Background



This preview shows how black text looks on a background with the Yxy color 31.0781, 0.4765, 0.4123.



This preview shows how white text looks on a background with the Yxy color 31.0781, 0.4765, 0.4123.

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

31.0781, 0.4765, 0.4123

Protanopia

31.2731, 0.4116, 0.4509

Deuteranopia

31.0607, 0.4467, 0.4378



Tritanopia

31.1181, 0.4075, 0.3182

Trichromacy



Original Color

31.0781, 0.4765, 0.4123

Protanomaly

30.8000, 0.4360, 0.4362

Deuteranomaly

30.9320, 0.4586, 0.4277

Tritanomaly

30.9294, 0.4363, 0.3552

Monochromacy



Original Color

31.0781, 0.4765, 0.4123

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

29.5638, 0.3721, 0.3696

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.0781, 0.4765, 0.4123 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, 134, 60)` looks like.

```
.text, #text, p{  
    color:rgb(210, 134, 60)  
}
```

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, 134, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 134, 60) }
```

Border

The CSS property to change the border of an element to Yxy 31.0781, 0.4765, 0.4123 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, 134, 60) }
```

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

```
.border{ border-color:rgb(210, 134, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 134, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 134, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 134, 60);  
box-shadow:4px 4px 4px 4px rgb(210, 134,  
60) }
```


Background

The CSS property to change the background color of an element to Yxy 31.0781, 0.4765, 0.4123 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 134, 60) }
```

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

```
.background{ background-color: rgb(210,  
134, 60) }
```

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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