

Converting Colors

$Y_{xy}(30.6983, 0.4990, 0.4274)$

Have a look what the booklet for
Yxy(30.6983, 0.4990, 0.4274)
contains.

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Color

Yxy(30.7424, 0.4994, 0.4274)

Conversions

Conversions Part 1

Format	Color
Hex	D5841E
RGB	213, 132, 30
RGB Percent	84%, 52%, 12%
CMY	0.1648, 0.4823, 0.8826
CMYK	0.00, 0.38, 0.86, 0.16
HSL	33°, 75%, 48%
HSV	33°, 86%, 84%
XYZ	35.9213, 30.7424, 5.2652
YIQ	144.5910, 81.0180, -14.5500

Conversions

Conversions Part 2

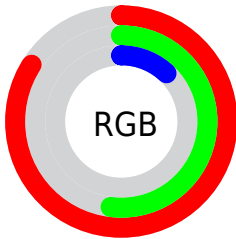
Format	Color
RYB	175, 213, 30
Decimal	13992990
CIELab	62.29, 24.04, 62.12
CIElCh	62, 66.609, 68.840
Yxy	30.7424, 0.4994, 0.4274
Android (android.graphics.Color)	4292183070 (0xFFD5841E)
YUV	144.5910, -56.4934, 59.9947
Hunter-Lab	55.4458, 18.6133, 33.1818

Details

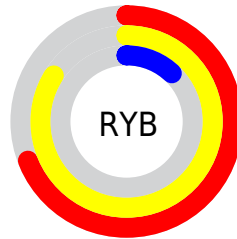
The Yxy color **30.7424, 0.4994, 0.4274** is a dark color, and the websafe version is hex **FF9933**. The color can be described as dark washed orange. A complement of this color would be **16.4274, 0.1825, 0.1646**, and the grayscale version is **28.3486, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.6138, 0.4522, 0.4251**, and **12.7100, 0.5271, 0.4196** is the 20% darker color. If you saturate the color by 10%, you get **28.2282, 0.5181, 0.4237**, and if you desaturate by 10%, it is **33.5637, 0.4772, 0.4257**.

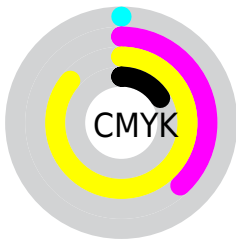
Distribution



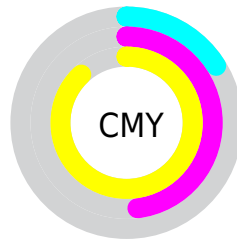
- Red (84%)
- Green (52%)
- Blue (12%)



- Red (69%)
- Yellow (84%)
- Blue (12%)



- Cyan (0%)
- Magenta (38%)
- Yellow (86%)
- Black (16%)





- Cyan (16%)
- Magenta (48%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.7424, 0.4994, 0.4274 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 30.7424, 0.4994, 0.4274 by changing the saturation by 10% instead.


 30.7424, 0.4994,
0.4274


 30.7424, 0.4994,
0.4274


305.3498, 0.4068,
0.3881

 20.4028, 0.5190,
0.4315


 60.8343, 0.4677,
0.4169


 12.6882, 0.5413,
0.4329


 81.3553, 0.4550,
0.4118


 7.2142, 0.5688,
0.4312


 106.0389, 0.4441,
0.4069

 3.5964, 0.5884,
0.4116

 135.2696, 0.4346,
0.4024

 1.4505, 0.6199,
0.3801

 169.4316, 0.4263,
0.3983

 0.2535, 0.7656,
0.2344

 208.9093, 0.4190,

 0.0000, 0.0000,

0.3946

0.0000

254.0873, 0.4125,
0.3912

■ 30.7424, 0.4994,
0.4274

■ 30.7424, 0.4994,
0.4274

■ 28.2282, 0.5181,
0.4237

■ 33.5637, 0.4772,
0.4257

■ 27.2822, 0.5251,
0.4213

■ 36.7062, 0.4529,
0.4191

■ 40.1874, 0.4277,
0.4086

■ 44.0218, 0.4031,
0.3956

■ 48.2224, 0.3799,
0.3812

■ 52.8015, 0.3585,
0.3662

■ 57.7708, 0.3392,
0.3514

■ 63.1411, 0.3220,
0.3371

■ 68.9227, 0.3068,
0.3236

Harmonies

Analogous

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



30.7424, 0.5180, 0.3548



30.7424, 0.4994, 0.4274



30.7424, 0.4305, 0.4968

Triad

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



30.7424, 0.4994, 0.4274



30.7424, 0.1739, 0.3507



30.7424, 0.2575, 0.1909

Complementary

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



30.7424, 0.4994, 0.4274



16.4274, 0.1825, 0.1646

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.



30.7424, 0.1849, 0.1778



30.7424, 0.4994, 0.4274



30.7424, 0.1433, 0.2487

Square

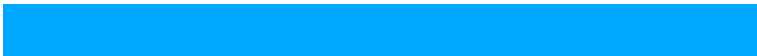
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



30.7424, 0.4994, 0.4274



30.7424, 0.2434, 0.4715



30.7424, 0.1478, 0.1941



30.7424, 0.3620, 0.2294

Rectangle

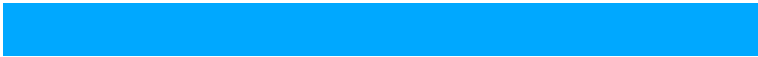
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



30.7424, 0.4994, 0.4274



30.7424, 0.3699, 0.5254



30.7424, 0.1478, 0.1941



30.7424, 0.2292, 0.1836

Sweetspot

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



30.7440, 0.4994, 0.4274



79.1362, 0.3591, 0.3667



16.2458, 0.4817, 0.2538



16.4101, 0.3664, 0.3720



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.



30.7440, 0.4994, 0.4274



40.6669, 0.5264, 0.4202



60.4845, 0.4084, 0.5054



13.5579, 0.3277, 0.3420



16.8755, 0.5231, 0.4228



1.1817, 0.5004, 0.4409

Inverse Universe

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



16.4274, 0.1825, 0.1646



18.9847, 0.1710, 0.1357



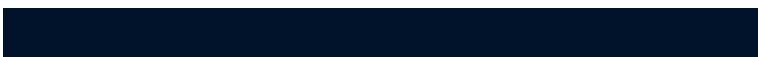
6.1623, 0.1606, 0.0743



12.9038, 0.2982, 0.3157



8.0448, 0.1723, 0.1401



0.6487, 0.1816, 0.1736

Previews

White Background



This preview shows how the Yxy color 30.7424, 0.4994, 0.4274 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 30.7424, 0.4994, 0.4274 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 30.7424, 0.4994, 0.4274

Background



This preview shows how black text looks on a background with the Yxy color 30.7424, 0.4994, 0.4274.



This preview shows how white text looks on a background with the Yxy color 30.7424, 0.4994, 0.4274.

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

30.7424, 0.4994, 0.4274

Protanopia

30.8006, 0.4312, 0.4752

Deuteranopia

30.7831, 0.4672, 0.4571



Tritanopia

30.7373, 0.4160, 0.3184

Trichromacy



Original Color

30.7424, 0.4994, 0.4274

Protanomaly

30.4954, 0.4572, 0.4571

Deuteranomaly

30.6819, 0.4791, 0.4459

Tritanomaly

30.3469, 0.4566, 0.3661

Monochromacy



Original Color

30.7424, 0.4994, 0.4274

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

28.2815, 0.3866, 0.3849

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.7424, 0.4994, 0.4274 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(213, 132, 30)` looks like.

```
.text, #text, p{  
    color:rgb(213, 132, 30)  
}
```

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(213, 132, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 132, 30) }
```

Border

The CSS property to change the border of an element to Yxy 30.7424, 0.4994, 0.4274 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(213, 132, 30) }
```

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

```
.border{ border-color:rgb(213, 132, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 132, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 132, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 132, 30);  
box-shadow:4px 4px 4px 4px rgb(213, 132,  
30) }
```


Background

The CSS property to change the background color of an element to Yxy 30.7424, 0.4994, 0.4274 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 132, 30) }
```

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

```
.background{ background-color: rgb(213,  
132, 30) }
```

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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