

Converting Colors

$Y_{xy}(29.7380, 0.4921, 0.4124)$

Have a look what the booklet for
Yxy(29.7380, 0.4921, 0.4124)
contains.

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Color

Yxy(29.6657, 0.4924, 0.4121)

Conversions

Conversions Part 1

Format	Color
Hex	D48032
RGB	212, 128, 50
RGB Percent	83%, 50%, 20%
CMY	0.1686, 0.4980, 0.8039
CMYK	0.00, 0.40, 0.76, 0.17
HSL	29°, 65%, 51%
HSV	29°, 76%, 83%
XYZ	35.4462, 29.6657, 6.8747
YIQ	144.2240, 75.1020, -6.4500

Conversions

Conversions Part 2

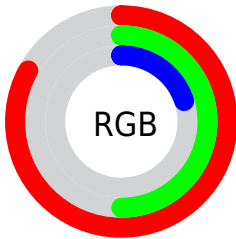
Format	Color
R_{YB}	212, 200, 50
Decimal	13926450
CIE _{Lab}	61.36, 26.43, 53.75
CIE _{LCh}	61, 59.895, 63.814
Yxy	29.6657, 0.4924, 0.4121
Android (android.graphics.Color)	4292116530 (0xFFD48032)
YUV	144.2240, -46.4524, 59.4396
Hunter-Lab	54.4662, 20.8506, 30.6428

Details

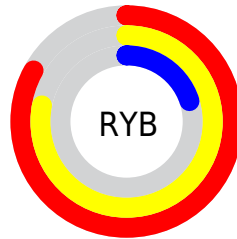
The Yxy color **29.6657, 0.4924, 0.4121** is a dark color, and the websafe version is hex **CC6633**. The color can be described as middle muted orange. A complement of this color would be **22.4787, 0.1980, 0.2049**, and the grayscale version is **28.1541, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.2473, 0.4447, 0.4087**, and **12.1242, 0.5347, 0.4136** is the 20% darker color. If you saturate the color by 10%, you get **26.8107, 0.5183, 0.4119**, and if you desaturate by 10%, it is **32.9190, 0.4643, 0.4073**.

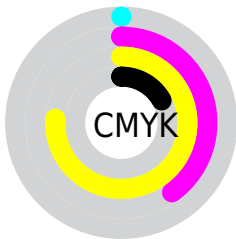
Distribution



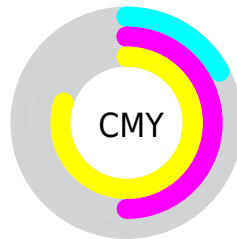
- Red (83%)
- Green (50%)
- Blue (20%)



- Red (83%)
- Yellow (78%)
- Blue (20%)



- Cyan (0%)
- Magenta (40%)
- Yellow (76%)
- Black (17%)



- Cyan (17%)
- Magenta (50%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.6657, 0.4924, 0.4121 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 29.6657, 0.4924, 0.4121 by changing the saturation by 10% instead.


 29.6657, 0.4924,
0.4121


 29.6657, 0.4924,
0.4121


300.3431, 0.4002,
0.3780


 19.5850, 0.5136,
0.4161


 59.1331, 0.4596,
0.4026


 12.0937, 0.5387,
0.4179


 79.2886, 0.4470,
0.3981

 6.8075, 0.5771,
0.4214


 103.5711, 0.4362,
0.3939

 3.3420, 0.5999,
0.4001

 132.3650, 0.4269,
0.3901

 1.3128, 0.6355,
0.3645

 166.0548, 0.4189,
0.3866

 0.1511, 0.8393,
0.1607

 205.0248, 0.4119,

 0.0000, 0.0000,

0.3835

0.0000

249.6594, 0.4057,
0.3806

■ 29.6657, 0.4924,
0.4121

■ 29.6657, 0.4924,
0.4121

■ 26.8107, 0.5183,
0.4119

■ 32.9190, 0.4643,
0.4073

■ 24.3265, 0.5402,
0.4062

■ 36.5859, 0.4360,
0.3987

■ 23.5165, 0.5475,
0.4035

■ 40.6857, 0.4087,
0.3875

■ 45.2350, 0.3835,
0.3750

■ 50.2491, 0.3607,
0.3619

■ 55.7427, 0.3405,
0.3490

■ 61.7295, 0.3228,
0.3366

■ 68.2228, 0.3074,
0.3249

■ 75.2352, 0.2941,
0.3141

Harmonies

Analogous

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



29.6657, 0.4971, 0.3446



29.6657, 0.4924, 0.4121



29.6657, 0.4366, 0.4762

Triad

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



29.6657, 0.4924, 0.4121



29.6657, 0.1936, 0.3683



29.6657, 0.2488, 0.1967

Complementary

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



29.6657, 0.4924, 0.4121



22.4787, 0.1980, 0.2049

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.



29.6657, 0.1862, 0.1890



29.6657, 0.4924, 0.4121



29.6657, 0.1577, 0.2694

Square

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



29.6657, 0.4924, 0.4121



29.6657, 0.2643, 0.4712



29.6657, 0.1562, 0.2106



29.6657, 0.3412, 0.2293

Rectangle

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



29.6657, 0.4924, 0.4121



29.6657, 0.3828, 0.5048



29.6657, 0.1562, 0.2106



29.6657, 0.2242, 0.1912

Sweetspot

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



29.6672, 0.4924, 0.4121



78.8916, 0.3540, 0.3578



18.0668, 0.4309, 0.2376



16.2550, 0.3617, 0.3626



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.



29.6672, 0.4924, 0.4121



38.1879, 0.5331, 0.4088



58.6591, 0.4151, 0.4876



13.3977, 0.3279, 0.3403



14.7165, 0.5452, 0.4053



1.0529, 0.5178, 0.4270

Inverse Universe

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



22.4787, 0.1980, 0.2049



26.7285, 0.1831, 0.1746



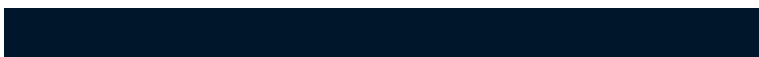
8.2016, 0.1698, 0.0955



13.0631, 0.2982, 0.3175



10.0096, 0.1792, 0.1649



0.7692, 0.1876, 0.1954

Previews

White Background



This preview shows how the Yxy color 29.6657, 0.4924, 0.4121 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 29.6657, 0.4924, 0.4121 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 × Fail

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

Yxy 29.6657, 0.4924, 0.4121

Background



This preview shows how black text looks on a background with the Yxy color 29.6657, 0.4924, 0.4121.



This preview shows how white text looks on a background with the Yxy color 29.6657, 0.4924, 0.4121.

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

29.6657, 0.4924, 0.4121

Protanopia

29.8874, 0.4173, 0.4587

Deuteranopia

29.6861, 0.4540, 0.4452



Tritanopia

29.6169, 0.4191, 0.3183

Trichromacy



Original Color

29.6657, 0.4924, 0.4121

Protanomaly

29.3834, 0.4456, 0.4405

Deuteranomaly

29.4157, 0.4685, 0.4330

Tritanomaly

29.5331, 0.4522, 0.3570

Monochromacy



Original Color

29.6657, 0.4924, 0.4121

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

27.7378, 0.3788, 0.3717

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.6657, 0.4924, 0.4121 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(212, 128, 50)` looks like.

```
.text, #text, p{  
    color:rgb(212, 128, 50)  
}
```

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(212, 128, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 128, 50) }
```

Border

The CSS property to change the border of an element to Yxy 29.6657, 0.4924, 0.4121 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(212, 128, 50) }
```

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

```
.border{ border-color:rgb(212, 128, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 128, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 128, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 128, 50);  
box-shadow:4px 4px 4px 4px rgb(212, 128,  
50) }
```


Background

The CSS property to change the background color of an element to Yxy 29.6657, 0.4924, 0.4121 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 128, 50) }
```

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

```
.background{ background-color: rgb(212,  
128, 50) }
```

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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