

Converting Colors

$Y_{xy}(29.8715, 0.4544, 0.3703)$

Have a look what the booklet for
Yxy(29.8715, 0.4544, 0.3703)
contains.

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Color

Yxy(29.9661, 0.4539, 0.3705)

Conversions

Conversions Part 1

Format	Color
Hex	D47F5D
RGB	212, 127, 93
RGB Percent	83%, 50%, 36%
CMY	0.1687, 0.5019, 0.6353
CMYK	0.00, 0.40, 0.56, 0.17
HSL	17°, 58%, 60%
HSV	17°, 56%, 83%
XYZ	36.7115, 29.9661, 14.2026
YIQ	148.5390, 61.5740, 7.4460

Conversions

Conversions Part 2

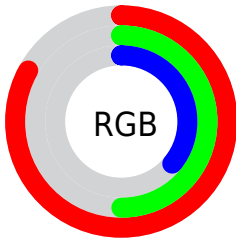
Format	Color
R_{YB}	212, 141, 93
Decimal	13926237
CIE _{Lab}	61.62, 29.54, 32.41
CIE _{LCh}	62, 43.850, 47.648
Yxy	29.9661, 0.4539, 0.3705
Android (android.graphics.Color)	4292116317 (0xFFD47F5D)
YUV	148.5390, -27.3807, 55.6553
Hunter-Lab	54.7413, 23.9113, 22.9362

Details

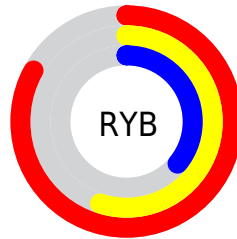
The Yxy color **29.9661, 0.4539, 0.3705** is a dark color, and the websafe version is hex **FF9966**. The color can be described as middle muted orange. A complement of this color would be **38.8996, 0.2319, 0.2793**, and the grayscale version is **29.9499, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.3214, 0.4103, 0.3680**, and **12.2773, 0.4986, 0.3759** is the 20% darker color. If you saturate the color by 10%, you get **26.0216, 0.4910, 0.3748**, and if you desaturate by 10%, it is **34.6051, 0.4197, 0.3641**.

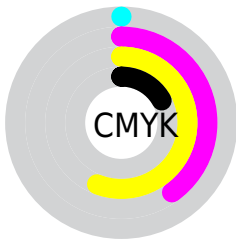
Distribution



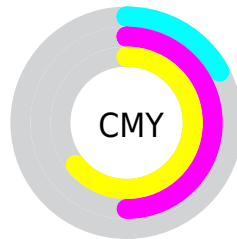
- Red (83%)
- Green (50%)
- Blue (36%)



- Red (83%)
- Yellow (55%)
- Blue (36%)



- Cyan (0%)
- Magenta (40%)
- Yellow (56%)
- Black (17%)





- Cyan (17%)
- Magenta (50%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.9661, 0.4539, 0.3705 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 29.9661, 0.4539, 0.3705 by changing the saturation by 10% instead.


 29.9661, 0.4539,
0.3705

 29.9661, 0.4539,
0.3705


301.7464, 0.3782,
0.3529


 19.8129, 0.4738,
0.3732


 59.6086, 0.4255,
0.3652


 12.2591, 0.4997,
0.3753


 79.8666, 0.4150,
0.3628

 6.9204, 0.5340,
0.3753


 104.2616, 0.4063,
0.3607

 3.4124, 0.5881,
0.3745

 133.1781, 0.3990,
0.3588

 1.3506, 0.6489,
0.3511

167.0005, 0.3927,
0.3571

 0.1799, 0.8323,
0.1677

206.1130, 0.3872,

 0.0000, 0.0000,

0.3555

0.0000

250.9002, 0.3824,
0.3541

■ 29.9661, 0.4539,
0.3705

■ 29.9661, 0.4539,
0.3705

■ 26.0216, 0.4910,
0.3748

■ 34.6051, 0.4197,
0.3641

■ 22.7322, 0.5286,
0.3757

■ 39.9662, 0.3894,
0.3565

■ 20.0608, 0.5635,
0.3723

■ 46.0813, 0.3633,
0.3486

■ 17.9642, 0.5917,
0.3644

■ 52.9786, 0.3412,
0.3408

■ 17.2911, 0.6011,
0.3609

■ 60.6852, 0.3226,
0.3333

■ 69.2264, 0.3070,
0.3264

■ 78.6267, 0.2939,
0.3200

■ 88.4122, 0.2868,
0.3218

■ 92.7338, 0.2871,
0.3289

Harmonies

Analogous

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



29.9661, 0.4297, 0.3176



29.9661, 0.4539, 0.3705



29.9661, 0.4348, 0.4211

Triad

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



29.9661, 0.4539, 0.3705



29.9661, 0.2515, 0.3991



29.9661, 0.2359, 0.2208

Complementary

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



29.9661, 0.4539, 0.3705



38.8996, 0.2319, 0.2793

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.



29.9661, 0.1994, 0.2284



29.9661, 0.4539, 0.3705



29.9661, 0.2066, 0.3243

Square

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



29.9661, 0.4539, 0.3705



29.9661, 0.3160, 0.4514



29.9661, 0.1892, 0.2627



29.9661, 0.2962, 0.2361

Rectangle

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



29.9661, 0.4539, 0.3705



29.9661, 0.4031, 0.4471



29.9661, 0.1892, 0.2627



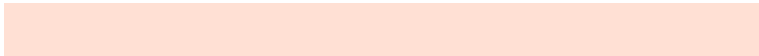
29.9661, 0.2209, 0.2206

Sweetspot

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



29.9676, 0.4539, 0.3705



79.3327, 0.3434, 0.3416



25.0458, 0.3583, 0.2294



16.5096, 0.3476, 0.3432



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.



29.9676, 0.4539, 0.3705



38.6804, 0.4969, 0.3752



49.9849, 0.4090, 0.4375



12.9935, 0.3284, 0.3357



10.8261, 0.5986, 0.3629



0.7939, 0.5641, 0.3903

Inverse Universe

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



38.8996, 0.2319, 0.2793



53.3214, 0.2194, 0.2670



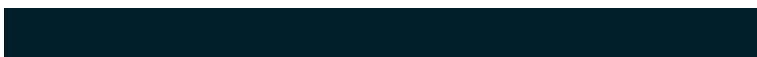
20.2182, 0.2123, 0.1870



13.4797, 0.2982, 0.3222



16.8510, 0.1983, 0.2337



1.1545, 0.2034, 0.2521

Previews

White Background



This preview shows how the Yxy color 29.9661, 0.4539, 0.3705 looks on a white background.

Color Contrast Check

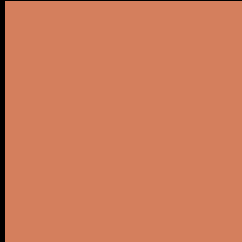
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.9661, 0.4539, 0.3705 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

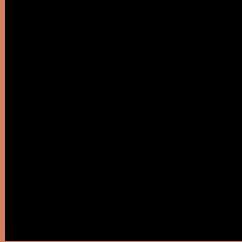
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.9661, 0.4539, 0.3705

Background



This preview shows how black text looks on a background with the Yxy color 29.9661, 0.4539, 0.3705.



This preview shows how white text looks on a background with the Yxy color 29.9661, 0.4539, 0.3705.

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

29.9661, 0.4539, 0.3705

Protanopia

30.1356, 0.3735, 0.4013

Deuteranopia

30.2069, 0.4107, 0.4038



Tritanopia

30.0048, 0.4145, 0.3182

Trichromacy



Original Color

29.9661, 0.4539, 0.3705

Protanomaly

29.6539, 0.4017, 0.3893

Deuteranomaly

29.8531, 0.4265, 0.3909

Tritanomaly

29.9958, 0.4298, 0.3380

Monochromacy



Original Color

29.9661, 0.4539, 0.3705

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

29.4054, 0.3599, 0.3470

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.9661, 0.4539, 0.3705 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, 127, 93)` looks like.

```
.text, #text, p{  
    color:rgb(212, 127, 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(212, 127, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 127, 93) }
```

Border

The CSS property to change the border of an element to Yxy 29.9661, 0.4539, 0.3705 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, 127, 93) }
```

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

```
.border{ border-color:rgb(212, 127, 93) }
```

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

Here you see how a box with a 4 pixel rgb(212, 127, 93) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 127, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 127, 93);  
box-shadow:4px 4px 4px 4px rgb(212, 127,  
93) }
```


Background

The CSS property to change the background color of an element to Yxy 29.9661, 0.4539, 0.3705 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 127, 93) }
```

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

```
.background{ background-color: rgb(212,  
127, 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](#).

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